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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MASSACHUSETTS BASIC-DATA REPORT NO. 7
GROUND-WATER SERIES

SOUTHEASTERN MASSACHUSETTS

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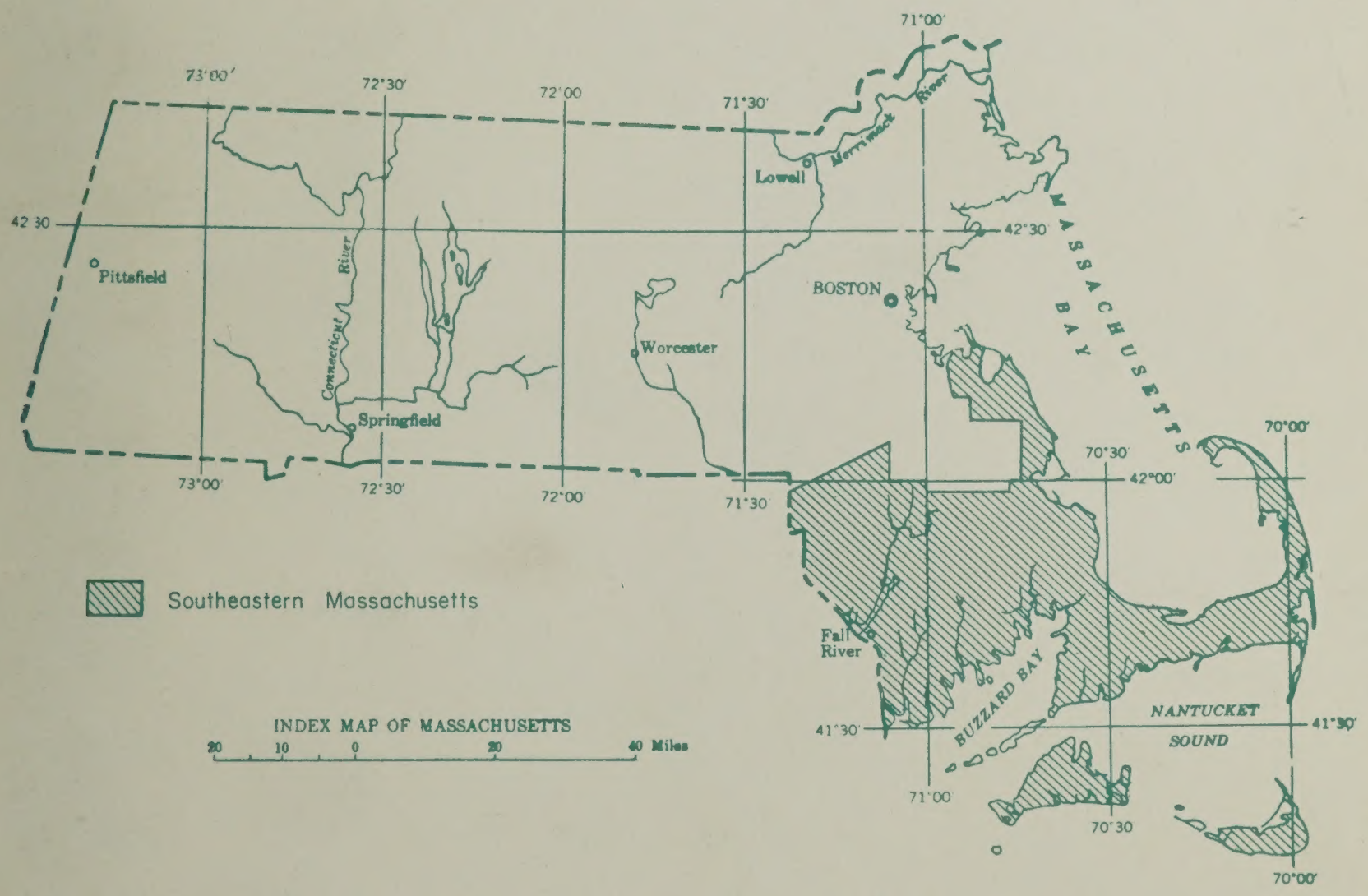
ANTHONY MAEVSKY AND JANET A. DRAKE



PREPARED IN COOPERATION WITH

THE COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

1963

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UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

MASSACHUSETTS BASIC-DATA REPORT NO. 7
GROUND-WATER SERIES

SOUTHEASTERN MASSACHUSETTS

Records and logs of selected wells and test holes and chemical analyses of water in southeastern Massachusetts

By

Anthony Maevsky and Janet A. Drake

Prepared in cooperation with

THE COMMONWEALTH OF MASSACHUSETTS, WATER RESOURCES COMMISSION

Boston, Massachusetts

1963

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INTRODUCTION

The southeastern Massachusetts area (see fig. 1) covers about 1,930 square miles and includes all of Barnstable, Bristol, Dukes, Nantucket, and Plymouth Counties except for 112 square miles in the Brockton-Pembroke area which is covered in Massachusetts Basic-Data Report No. 5.

This report presents basic data collected by the U. S. Geological Survey as part of investigations of the ground-water resources of southeastern Massachusetts in cooperation with the Massachusetts Department of Public Works and the Massachusetts Water Resources Commission. These data have been prepared for release in order to make available to the public basic ground-water data that will be useful in studying and planning water-resources development.

Most of the data contained in this report were collected by Richard J. Hecht, James M. Weigle, and Charles E. Shaw, Jr. during the period 1954-61. The data include records of 915 wells and test holes (table 2), logs of 293 wells and test holes (table 3), measurements of water levels in 22 wells (table 4), and chemical analyses of 20 water samples (table 1). This report does not attempt to record all of the known wells in the area. The data given are for selected, representative wells only.

The surficial geology shown on figure 1 is taken from a map by R. J. Hecht.[1/] The map shows the general areas underlain by till and stratified deposits. The stratified deposits principally are glacial outwash, ice-contact, and lacustrine deposits with minor amounts of alluvium. In general they overlie till and bedrock or older unconsolidated deposits. The stratified deposits, where permeable and saturated, constitute the most productive water-bearing deposits in the area. Till is a heterogeneous mixture of unstratified and poorly sorted clay, silt, sand, gravel, cobbles, and boulders deposited by glacial ice. In figure 1, outcrops of bedrock are included with the till. Till yields small quantities of water to shallow, large-diameter wells. Bedrock contains water only in cracks, and yields small to moderate quantities of water to drilled wells.

WELL-NUMBERING AND LOCATION SYSTEM

In Massachusetts each well is designated by a symbol whose first term is the name of the town or city in which the well is located and whose second term is a number that is assigned in the order in which the well was inventoried within the city or town. In the tables the name of the town or city and the number are given, but on the map (fig. 1) only the number appears beside the symbol of the well it represents. Thus, the well designated as Plymouth 22 in the tables is represented on the map by the well symbol numbered 22 in the town of Plymouth.

For ease in locating the wells and test holes on the map, a coordinate system is used based upon the $7\frac{1}{2}$-minute quadrangle map series in New England. The location designation for each well and test hole is listed in table 2. The coordinate designators are shown on the margins of the map (fig. 1).

[1/] Reconnaissance map of southeastern Massachusetts showing the distribution of deposits of Quaternary age: U. S. Geological Survey open-file report (1956).

Table 1.--Chemical analyses of water from selected wells and ponds in southeastern Massachusetts

(Analytical results in parts per million except as indicated.)

(Analyses by U. S. Geological Survey.)

Well no.	Location	Geologic unit	Date of collection	Temperature (°F)	Silica (SiO_2)	Dissolved iron (Fe)	Total iron (Fe)	Dissolved Manganese (Mn)	Total Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$		Specific conductance (micromhos at 25°C)	pH	Color
																					Calcium, magnesium	Noncarbonate			
BRISTOL COUNTY																									
Taunton 70	V8	Bedrock	10-28-55	53	24	0.48	2.0	0.37	0.42	15	2.5	14	1.1	48	0	25	13	0.3	0.3	0.16	50	11	182	6.9	23
PLYMOUTH COUNTY																									
Carver 31	Y7	Outwash	3-22-61	51	4.3	.01	.20	.0	.0	4.0	1.1	9.1	1.7	5	0	13	13	.1	5.4	56	15	11	97	5.6	0
Mattapoisett 67	X6	Bedrock	3-21-61	49	25	.93	1.6	.3	.3	37	9.1	11	3.7	155	0	10	16	.2	.1	197	130	3	307	7.0	30
Middleborough 56	X7	do.	3-21-61	49	11	.03	.11	.0	.0	3.2	2.0	5.8	.5	26	0	4.8	4.0	.1	.1	59	16	0	68	6.8	0
78	X7	Outwash	3-22-61	43.5	4.4	.00	.09	.0	.0	4.6	.9	4.1	.9	10	0	9.5	7.0	.1	1.8	41	15	7	68	5.8	0
Plymouth 35	Y7	do.	4-19-60	-	5.1	.01	.50	.01	.05	3.2	2.0	4.4	.4	10	0	7.2	6.6	.1	.3	33	16	8	52	6.2	3
36	Y7	do.	4-19-60	44	3.3	.01	.21	.02	.03	5.0	1.2	4.8	.5	4	0	7.5	12	.0	.2	36	18	14	62	5.6	1
Rochester 80	X6	Till	4-19-60	-	4.7	.01	.07	.00	.03	9.8	1.9	10	2.8	32	0	17	5.9	.1	8.5	80	33	7	129	6.6	1
83	X7	Outwash	4-19-60	50	5.3	.04	.26	.00	-	19	1.4	33	3.4	16	0	60	26	.1	19	176	54	41	257	5.4	20
97	X7	Till	3-22-61	50	11	.00	.03	.0	.0	5.2	1.4	13	3.5	12	0	18	9.8	.1	15	89	19	9	133	6.0	0
Wareham 40	X7	Outwash	3-23-61	52	4.8	.00	.19	.0	.1	3.8	.8	3.1	1.2	4	0	10	5.0	.1	1.2	35	11	8	55	5.3	0
44	Y6	do.	3-23-61	44	3.9	.02	.07	.0	.0	26	1.1	4.7	.7	51	0	7.4	18	.1	11	120	70	28	181	6.8	3
84	Y7	do.	3-23-61	53	5.5	.00	.02	.0	.0	1.2	1.5	5.3	.7	5	0	6.5	7.2	.1	.5	35	9	5	56	5.6	0
Charge Pond	Y7	do.	4-16-60	55	.9	.01	.06	.03	.05	2.2	.6	3.8	.5	2	0	5.3	6.7	.0	.2	21	8	7	38	5.3	0
College Pond	Y7	do.	4-19-60	52	101	.00	.05	.00	.01	3.6	.2	4.3	.5	4	0	5.0	7.6	.0	.6	24	10	7	21	5.7	1

Table 1.--Chemical analyses of water from selected wells and ponds in southeastern Massachusetts--Continued

Well no.	Location	Geologic unit	Date of collection	Temperature (°F)	Silica (SiO_2)	Dissolved iron (Fe)	Total iron (Fe)	Dissolved Manganese (Mn)	Total Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Dissolved solids (residue on evaporation at 180°C)	Hardness as $CaCO_3$		Specific conductance (micromhos at 25°C)	pH	Color
																					Calcium, magnesium	Noncarbonate			
BARNSTABLE COUNTY																									
Bourne 23	Z6	Outwash	4- 3-56	48	10	-	.29	-	.08	4.6	1.8	7.0		18	0	5.8	9.5	.0	.1	55	19	4	73.1	6.2	2
Sandwich 153	Z6	do.	3-18-53	-	11	-	.06	-	-	3.5	1.8	14		32	0	9.4	7.2	.3	1.0	66	16	0	96.7	6.1	0
154	Z6	do.	9-14-53	56	7.3	-	.02	-	-	5.5	.3	18	-	8.0	0	6.2	20	.0	16	81	15	8	141	5.9	5
155	Z6	do.	3-18-53	-	13	-	.06	-	-	2.0	1.1	14		26	0	5.6	9.0	.2	.5	62	10	0	88.1	6.8	0
Wellfleet 41	EE8	do.	7- 2-53	52	4.2	-	.02	-	-	1.3	2.1	13		4.3	0	6.8	20	.0	.6	54	12	8	91.5	6.0	0

Table 2.--Records of selected wells and test holes in southeastern Massachusetts

Well no: For explanation of well-numbering system, see text.
Location: For explanation of well-location system, see text.
Altitude of land-surface datum: Altitudes expressed in feet and tenths, or in feet, tenths, and hundredths are instrumentally determined; those in whole feet are interpolated from topographic maps. Datum is mean sea level.
Type of well: A, augered; Co, collector; Dn, driven; Dr, drilled; Du, dug; J, jetted.
Depth of well: Depths expressed in feet and tenths are measured; those in whole feet are reported.
Depth to bedrock or refusal: An "R" appended to the depth indicates the well or test hole was bottomed at refusal which may be bedrock, a boulder, a hard or cemented layer, or till.
Level: Water levels expressed in feet and tenths, or in feet, tenths, and hundredths are measured; those expressed in whole feet are reported. Depths are below land-surface datum, except when preceded by a + indicating they are above land-surface datum.
Use: C, commercial or industrial; D, domestic; Ir, Irrigation; N, unused; O, observation; PS, public supply; S, stock; T, test.
Type of pump: B, bucket; DP, deep well cylinder; H, hand; J, jet; Su, suction; T, turbine.
Remarks: A, abandoned and destroyed; C, chemical analysis in table 1; GP, gravel-packed; L, log in table 3; T, temperature in degrees Fahrenheit; Y, yield in gallons per minute (gpm); dd, drawdown in feet produced by pumping at preceding rate.

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Use	Type of pump	Remarks
BARNSTABLE COUNTY															
BARNSTABLE															
1	BB 6	Barnstable Water Co.	-	10	Dr	73.7	12	-	-	Outwash	7.2	2-14-46	PS	Su	GP. T 50. Y 550; dd 10 after 13 hrs. Twenty ft. of screen. Barnstable 1-3 pumped at 1,300 gpm on a common suction line.
2	BB 6	do.	-	10	Dr	73.5	8-6	-	-	do.	5.3	6- 3-49	PS	Su	GP. Y 400; dd 14.7. Thirty ft. of screen.
3	BB 6	do.	-	10	Dr	73.5	8-6	-	-	do.	4.4	6- 3-49	PS	Su	GP. Y 440; dd 9.9. Thirty ft. of screen.
7-30	BB 6	do.	1912	30	J	25-35	2½	-	-	do.	4	7- -55	PS	Su	Wells bottomed at clay or marl.
31-56	BB 6	do.	1918	30	J	30	2½	-	-	do.	-	-	PS	-	Y 30 each.
57	BB 6	do.	-	35	Dn	30.4	2½	-	-	do.	9.1	8- -50	T	-	L.
58	BB 6	do.	-	35	Dr	65	12	-	-	do.	10	-	PS	-	GP. Y 500; dd 19.7 after 12 hrs. Barnstable 7-56, 58 pumped at 1,000 gpm on a common suction line
59-63	AA 6	Cotuit Fire Dist.	-	40	Dr	30-32	60-6	-	-	do.	2.5	7- -55	PS	-	GP. Y 500.
73	BB 6	United Cape Cod Cranberry Co.	1942	10	Dr	100	8	-	-	-	-	-	C	Su	T 52. Y 240; dd 8. Twenty ft. of screen.
80	AA 6	W. Barnstable School	1923	50	Dn	75	3	-	Sand	-	-	-	D	-	
81	AA 6	Marston Mills High School	-	50	Dn	30.3	2	-	-	Outwash	29	8- 3-50	PS	-	L. T 52. Reported well depth, 47 ft.
89	AA 5	Theodore Pitcairn	-	10	Dn	10.2	2	-	-	-	4.4	8-14-50	D	-	T 58.
92	BB 6	Addie Makepeace	-	45	Dn	75	2	-	-	-	-	-	D	-	
93	BB 6	Paul Atwood	-	100	Dn	80	2	-	-	Outwash	65	8-14-50	D	J	Hard pebbly material 0-20 ft, sand beyond 20 ft.
94	BB 6	Harold Williams	-	35	Dn	86	2	-	-	-	18	-	D	Su	"Strata of hardpan" 8 ft thick at 34 ft.
97	BB 6	Victor Adams	-	30	Du	6	30'x60'	-	-	-	-	-	Ir	-	
98-102	AA 6	L. Hadley	-	50	Dr	226	8	-	-	-	21.7	-	S	-	T 53. Y 65. One of 5 wells.
104	AA 6	Attanemi	1950	115	Dn	113	-	-	-	Outwash	102	7- -50	-	-	
107-156	AA 6	Centreville-Osterville Fire Dist.	1938	9	J	45-50	2½	-	-	do.	2-5	-38	PS	Su	L. Y 500.
157	AA 6	do.	-	24.2	Dn	44.3	2½	-	-	-	15.55	8-11-51	O	-	T 49.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								BARNSTABLE COUNTY (Continued)							
								BARNSTABLE (Continued)							
158-160	AA 6	Centreville-Osterville Fire Dist.	1938	15	Dr	55-60	54-8	-	-	Outwash	-	-	PS	Su	GP. T 50.
161	AA 6	do.	-	14.3	Dn	42.9	2½	-	-	do.	10.50	8-11-50	0	-	
162-177	AA 5	Oyster's Harbor Club	-	20	Dn	-	2½	-	-	-	-	-	PS	-	
179	BB 6	Centreville-Osterville Fire Dist.	-	35	-	68	-	-	-	-	5.8	-	T	-	Well pulled back from 105 ft. Y 40; dd 5. L.
192-200	BB 6	Mass.Dept.Pub.Wks.	1949	179	Dn	58	2½	-	Sand	-	-	-	T	-	L. One of 9 borings.
224	AA 5	Cotuit Fire Dist.	1952	20	Dr	38	72-24	-	-	Outwash	-	-	PS	T	GP. Y 500. L.
225	BB 6	Centreville-Osterville Fire Dist.	1954	30	Dr	-	-	-	-	do.	-	-	PS	T	GP. Y 400.
228	BB 6	Barnstable Fire Dist	1954	40.5	Dr	61	48-24	-	-	do.	11.8	4- -54	PS	T	GP. Y 420; dd 17.4. L.
229	BB 6	Barnstable Water Co.	-	15	Dr	75	12	-	-	do.	9	7- -55	PS	T	GP. Y 600; dd 20.
230	BB 6	U. S. Geol. Survey	1957	40	Dn	37	1¼	-	Sand	-	22.99	1-29-58	0	-	L.
231-238	BB 6	Mass.Dept.Pub.Wks.	1953	90	Dn	30	2½	-	do.	-	21	-	T	-	L. One of 8 borings.
239-246	BB 6	do.	1953	114	Dn	39	2½	-	do.	-	-	-	T	-	L. One of 8 borings.
247	BB 6	U. S. Geol. Survey	1962	50	Dn	49	1¼	-	do.	-	28.70	11-19-62	0	-	L.
								BOURNE							
1-3	Z 6	Bourne Water Dist.	-	20	Dr	-	49-71	-	-	Outwash	-	-	PS	Su	GP. L. Y 813; dd 10 after 288 hrs.
7-11	Z 7	South Sagamore Water Dist.	-	20	Dn,J	±47	2½	-	-	do.	4.42	-	PS	Su	Y 124.
12-22	Z 7	North Sagamore Water Dist.	-	10	Dn,J	24-47	2½	-	-	do.	-	-	PS	Su	L. Y 88; dd 2.1 after 192 hrs.
23	Z 6	U. S. Army	-	68	Dr	94	24	-	-	do.	14	-40	PS	T	C. GP. Y 833; dd 5 after 22 hrs. Forty-five ft. of screen. Present pumping rate 1,300 gpm.
27	Z 6	Camp Edwards	1940	73	Dn	102	2½	-	-	-	11.38	8- 7-50	PS	-	L. T 50. Y 60.
30	Z 6	do.	-	55	Dn	82.8	2½	-	-	-	+1.65	8- 7-50	PS	Su	Y 12.
44,45	Y 6	Tobey Club	-	10	Dn	35	-	-	Sand	-	16	-	D	-	
46	Z 6	Old Windmill Tea Room	1928	80	Dn	30	2½	-	do.	-	-	-	D	-	
48	Y 6	Frank Flannigan	1950	10	Dn	17	-	-	do.	-	13	-	D	-	T 52.
49	Z 6	James M. Chase	-	35	Dn	22	1½	-	-	-	15	-	D	DP	
50	Z 6	Pocasset Golf Club	-	40	-	25.1	1	-	-	-	17.8	7-27-50	PS	-	T 54.
55	Z 6	Bourne Grammar School	-	20	Dn	21.8	2	-	-	-	19.3	7-26-50	PS	-	
57	Z 7	Coca Cola Bottling	-	95	-	125	6	-	-	-	70	-	C	T	T 54.
62-67	Z 6	Monument Beach Water	-	5	-	16	2	-	-	Outwash	-	-	PS	Su	Y 100.
68-79	Z 6	Corps of Engineers	-	0-12	Dn	105	2½	-	-	-	-	-	T	-	One of 12 borings. L.
80	Z 7	do.	1933	10	Dn	120	-	118	-	Bedrock	-	-	T	-	L.
107	Z 7	do.	1933	20	-	128	-	-	-	-	23.5	-33	T	-	L.
122-131	Z 7	Mass.Dept.Pub.Wks.	-	21	Dr	39	2½	-	Sand	-	16.7	-	T	-	One of 10 borings. L.
136	Z 6	Bourne Water Dist.	-	20	Dr	-	-	-	-	Outwash	5	5- 2-55	PS	Su	GP. Bourne 1-3 and 136 are pumped at 1,100 gpm on a common suction line.
137	Z 6	do.	1954	40	Dr	-	-	-	-	do.	-	-	PS	-	GP. Y 1,000.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								BARNSTABLE COUNTY (Continued)							
								BOURNE (Continued)							
138-147	Z 7	North Sagamore Water Dist.	-	10	J	±50	2½	-	-	Outwash	-	-	PS	Su	Y 350.
148-190	Z 7	Buzzards Bay Water Dist.	-	30	J	40-60	2½	-	-	do.	-	-	PS	Su	Y 650.
191-196	Z 7	South Sagamore Water Dist.	-	20	J	-	2½	-	-	do.	6	-	PS	Su	Yield of well battery, Bourne 7-11, 191-196 is 250 gpm.
197	Y 6	H. W. Thayer	-	18	Dn	35	2½	-	Sand	-	13.61	7-23-59	D	DP	Y 15.
198	Z 6	U. S. Geol. Survey	1962	60	Dn	50	1¼	-	do.	-	38.76	11-20-62	O	-	L.
								BREWSTER							
4-6	DD 7	Town of Brewster	-	30	Dn	37	2½	-	-	-	3	-47	T	-	Brewster 4 pulled back from 47 ft. L.
16	DD 7	Dept. of Natural Resources	-	55	Dn	53	2	-	Sand and gravel	Outwash	-	-	PS	DP	
17	DD 6	Paul T. Finlay	-	65	Dn	55	2	-	-	do.	-	-	D	DP	
18	DD 6	Myron Tubman	1930	115	Dn	45	2	-	-	do.	40	-	D	DP	Reported corrosive.
19	DD 7	Milton Gray	1940	115	Dn	110	-	-	-	do.	-	-	D	DP	
20	DD 6	Ben Crooker	1938	110	Dn	90	2	-	-	do.	-	-	D	DP	
21	DD 7	U. S. Geol. Survey	1957	30	A	24.8	2½	-	Sand	-	13.27	9-26-57	O	-	Y 63. L.
22	DD 7	do.	1962	40	A	52	1¼	-	do.	-	33.57	11-19-62	O	-	L.
23	DD 6	U. S. Air Force	1962	70	Dr	1000	7	464	-	Bedrock	-	-	T	-	L.
24	DD 6	do.	1962	75	Dr	1000	7	396	-	do.	-	-	T	-	
								CHATHAM							
1	DD 6	Chatham Water Co.	1945	15	Dr	38	24	-	-	Outwash	5	-	PS	T	GP. Y 285.
2	DD 6	do.	1949	15	Dr	35	24	-	-	do.	-	-	PS	Su	GP. Y 500. Ten ft. screen.
3	DD 6	do.	-	15	-	9.4	-	-	-	do.	3.1	8-23-50	O	-	T 52.
4-27	DD 6	do.	1933	15	Dn	29-36	2½	-	-	do.	6	-33	PS	-	Y 500. Four ft. of screen.
79	EE 6	Acme Laundry Inc.	-	20	Dn	28.2	-	-	-	do.	11.6	8-24-50	C	-	T 58.
82	EE 6	Chatham School	1933	35	Dn	75	2½	-	-	do.	25	-50	PS	-	L.
83	EE 6	Town of Chatham	1928	25	Dn	18	1¼	-	-	-	-	-	T	-	Contained iron, unfit for domestic purposes.
84	EE 6	do.	1929	20	Dn	69	1¼	-	-	-	-	-	T	-	Y 60. Swampy odor, unfit for domestic purposes.
87	EE 6	do.	1929	20	Dn	53	1¼	-	-	-	-	-	T	-	Unfit for domestic use.
88	EE 6	do.	1929	25	Dn	37	1¼	-	-	-	-	-	T	-	Bad odor, unfit for domestic purposes.
89	DD 6	do.	1929	10	Dn	42	1¼	-	-	-	-	-	T	-	Unfit for domestic use.
90	DD 6	do.	1929	30	Dn	80	1¼	-	-	-	-	-	T	-	Y18. Unfit for domestic purposes.
91	DD 6	do.	1929	20	Dn	32	1¼	-	-	-	-	-	T	-	Y 60. Bad odor and color, unfit for domestic use.
93	DD 6	do.	1929	15	Dn	43	1¼	-	-	-	-	-	T	-	Unfit for domestic use.
94	DD 6	do.	1929	15	Dn	32	1¼	-	-	-	-	-	T	-	Y 50. Unfit for domestic purposes.
95	EE 6	National Cranberry Growers Assoc.	1945	10	Dr	82	8	-	-	Outwash (?)	-	-	C	-	Y 250. T 55. Screened 66-82 ft. Level fluctuates with tide. Brackish.
138	DD 6	U. S. Geol. Survey	1962	40	A	44	1¼	-	Sand	-	32.65	11-19-62	O	-	L.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
BARNSTABLE COUNTY (Continued)															
DENNIS															
1-5	CC 6	Town of Dennis	1946	30	Dr	40-45	48-8	-	-	Outwash	15	7-11-55:	PS	Su	GP. L. Y 700.
6	CC 6	do.	-	30	Dn	37.7	8	-	-	-	15.2	-50:	T	-	T 51.
10	CC 6	William F. Crowell	-	15	Dn	17.2	1¼	-	-	-	11.3	8-21-50:	Ir	Su	
11	CC 6	Harry Sears	-	90	Dn	96	2	-	-	-	-	-	D,N	-	"Surface" water at 40 ft.
13	DD 6	Mrs. J. Strong	-	20	Dn	18	1½	-	-	-	10	-	D	Su	T 54.
14	CC 6	W. L. Colby	-	10	Dn	12.9	1¼	-	-	-	8.9	8-22-50:	D	-	T 56.
15	CC 6	Gus Kennedy	-	5	Dr	380	2	-	-	-	-	-	-	-	L. Y 60. Brackish water.
16	CC 6	E. Long	-	20	Dr	285	6	-	-	Outwash (?)	16	-	-	-	Y 4. Four ft. of screen. Bottomed at bedrock.
17-25	CC 6	Mass.Dept.Pub.Wks.	-	6.5	Dn	73	2½	-	Sand	-	5.5	-	T	-	L. One of 9 borings.
26-29	CC 6	do.	1949	2	Dn	42	2½	-	do.	-	-	-	T	-	L. One of 4 borings.
30-45	CC 6	do.	1934	9	Dn	53	2½	-	do.	-	-	-	T	-	L. One of 16 borings.
58-61	CC 6	do.	1953	-6.7	Dn	38.5	1	-	do.	-	-	-	T	-	L. One of 4 borings.
62-69	CC 6	do.	1954	50.7	Dn	39.7	1	-	do.	-	23.8	2- -54:	T	-	L. One of 8 borings.
EASTHAM															
1-10	EE 7	Mass.Dept.Pub.Wks.	1941	.3	Dn	65	2½	-	Sand	-	-	-	T	-	L. One of 10 borings.
12	EE 7	Roy E. French	1947	40	Dn	28	2	-	-	Outwash	16	-	D	J	
13	EE 7	Mrs George Nickerson	1947	50	Dn	40	2	-	-	do.	-	-	D	DP	
15	EE 7	Roger Lindholm	1947	45	Dn	37	2	-	-	do.	-	-	D	Su	Reported high in iron.
16	EE 7	W. R. MacPherson	1947	40	Dn	50	2	-	-	do.	41	-	D	J	Reported high in iron at 35 ft, low in iron at 50 ft.
17	EE 7	Mrs. David Mead	1947	55	Dn	43	2	-	-	do.	35	-	D	J	
18	EE 7	LaPiana	-	60	Dn	52	2	-	Sand	-	-	-	D	-	Low iron content.
FALMOUTH															
5	Z 5	Town of Falmouth	1945	8	Dn	50	2½	-	-	-	4.67	8-20-50:	C,O	-	T 51. Observation well since 1952.
8-47	Z 5	do.	1942	5	Dn	+60	2½	-	-	Outwash	10	1-25-50:	PS	Su	Y 400.
65	Z 5	Robbins Laundry	-	15	Dr	120	6	-	-	-	12	-	C	Su	Y 180.
66	Z 5	Coonamessett Ranch	1949	40	Dr	64	8	-	-	Outwash	15	-49:	PS,Ir	-	Y 600.
67	Z 6	do.	1949	60	Dr	64	8	-	-	do.	15	-49:	PS,Ir	-	Y 600. Twenty ft. screen.
68	Z 5	Feriera	1949	40	Dr	100	8	-	-	do.	30	-49:	Ir	T	Y 120. Fifteen ft. screen.
69	Z 5	Concrete Products Co	-	10	Dn	15	2	-	-	do.	5	1-11-50:	C	-	Y 13.
70	Z 5	A. J. Shepherd	-	10	Dn	9	1½	-	-	do.	7	1-11-50:	D	Su	Y 5.
71	Z 5	Lawrence Luce	1949	15	Dn	35	1 3/4	-	-	do.	14	1-12-50:	D	-	Y 4.
72	Z 5	C. M. Williams	-	45	Dn	30	1½	-	-	do.	25	1-16-50:	D	Su	L.
73	Z 6	Coonamessett Ranch Airport	-	100	Dn	50	2½	-	-	-	40	1-17-50:	D	-	
80	Y 6	Robelard Bay Shore	-	55	Dn	-	-	-	-	-	58	8-10-50:	D	-	
81	Z 5	I Gomez	-	50	Dn	64	-	-	-	-	-	-	D	-	
85	Z 5	Ray Cottage	-	80	-	48.5	2-1½	-	-	-	22.8	-	-	-	T 54.
90-92	Z 5	D. W. Dimmock	-	35	Du	12	-	-	Clay	-	-	-	Ir	-	One of 3 wells.
97-111	Z 5	-	-	45	-	+45	2½	-	-	Outwash	-	-	T	-	Y 170.
112-122	Y 5	Mass.Dept.Pub.Wks.	1936	.4	Dn	35	2½	-	Sand	-	-	-	T	-	L. One of 11 borings.
123-128	Z 5	do.	1944	5.5	Dn	55	2½	-	do.	-	-	-	T	-	L. One of 6 borings.
129-133	Z 5	do.	-	1.3	Dn	45.3	2½	-	do.	-	-	-	T	-	L. One of 5 borings.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
BARNSTABLE COUNTY (Continued)															
FALMOUTH (Continued)															
134-137	Z 5	Mass.Dept.Pub.Wks.	-	0	Dn	47	2½	-	Sand	-	-	-	T	-	One of 4 borings.
138-147	Y 5	do.	-	0	Dn	50	2½	-	Sand and clay	-	-	-	T	-	One of 10 borings.
152	Z 5	do.	-	1.3	Dn	56.7	-	-	-	-	-	-	T	-	A. L.
155-160	Y 5	do.	-	5.8	Dn	37	2½	-	Sand and gravel	-	3.5	-	T	-	L. One of 6 borings.
162	Z 5	Ed Perry	-	20	Dn	36	2	-	-	-	-	-	D	-	
163,164	Y 5	Mass.Dept.Pub.Wks.	1953	2.5	Dn	17.5	1½	-	-	-	-	-	T	-	
165-185	Y 5	do.	1958	79	Dn	29	2	29R	Sand	-	-	-	T	-	L. One of 21 borings. All reported dry.
HARWICH															
1	DD 6	Town of Harwich	1936	20	Dr	28	-	-	-	Outwash	3.9	3-18-36	PS	Su	GP. Harwich 1-4 are pumped at 1,000 gpm on a common suction line.
2	DD 6	do.	1936	20	Dr	33.8	-	-	-	do	5.6	3-18-36	PS	Su	GP.
3,4	DD 6	do.	1936	20	Dr	-	-	-	-	do.	-	-	PS	Su	GP.
5	DD 6	do.	1936	20	-	30.5	2½	-	-	do.	6.5	8-24-50	O	-	T 53.
17	DD 6	Harwich High School	-	50	Dn	76	3	-	-	do.	-	-	PS	-	L.
24	DD 6	Lowell Kingsbury	-	10	Dn	66.3	1¼	-	-	-	4.65	9- 9-50	D	-	
25	DD 6	Hansen	-	25	-	50	-	-	-	-	-	-	-	-	L.
27	DD 6	Red River Ice Co.	1952	25	Dr	37	60-24	-	-	-	10-17	-	C	-	GP. Y 800; dd 7 after 3 hrs.
36-47	DD 6	Kendrict's Bog	-	20	Dn	14	2	-	-	-	4-5	-	Ir	-	Y 500.
49	DD 6	Town of Harwich	-	35	Dr	67.3	48-24	-	-	Outwash	-	-	PS	-	GP. L.
54	DD 6	do.	-	35	J	-	2	-	-	-	23.5	7-11-55	T	-	
55-65	DD 6	Mass.Dept.Pub.Wks.	1951	5.6	Dn	50.4	1	-	Sand	-	-	-	T	-	L. One of 11 borings.
66-73	DD 6	do.	1955	52	Dn	35	1	-	do.	-	4.5	4- -55	T	-	L. One of 8 borings.
75	DD 6	U. S. Geol. Survey	1957	50	A	48	2½	-	-	-	35-40	9- -57	T	-	L. Not usable as observation well.
76-82	DD 6	Mass.Dept.Pub.Wks.	1955	75.8	Dn	35	1	-	Sand	-	-	-	T	-	L. One of 7 borings.
83-89	DD 6	do.	1955	55.5	Dn	61	1	-	do.	-	-	-	T	-	L. One of 7 borings. All reported dry.
90-97	DD 6	do.	1954	48.2	Dn	40	1	-	do.	-	22.2	9- -57	T	-	L. One of 8 borings.
98-105	DD 6	do.	1954	13.9	Dn	32	1	-	do.	-	30.0	8- -54	T	-	L. One of 8 borings.
106	DD 6	U. S. Air Force	1961	25	Dr	1000	7	435	-	Bedrock	31.5	11-22-61	T	-	L.
MASHPEE															
1	AA 5	-	-	10	Dn	54	2½	-	-	-	3.4	8- 5-50	N	-	T 54.
2	AA 6	Bessie Sturgis	-	85	Dn	57	1	-	-	-	50	-	D	-	
3	AA 6	Edward Mitchell	-	45	Dn	27	2	-	-	-	21	8- 1-50	D	-	
4	AA 5	A. C. Phillips	-	50	Dn	50	1½	-	-	-	40	-	D	-	
6	Z 5	John Hagg	-	50	Dn	21	-	-	-	-	16	-	D	Su	
7	Z 5	D'Argostino	-	15	Dn	17.4	1	-	-	-	13.8	8- 2-50	D	Su	Reported slightly brackish.
12	Z 6	Winthrop Robbins	-	50	Dn	10.9	1¼	-	-	-	5.5	8-12-50	D	Su	T 51.
13	AA 6	U. S. Geol. Survey	1962	75	A	65	1¼	-	Sand	-	36.27	11-20-62	O	-	L.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
BARNSTABLE COUNTY (Continued)															
ORLEANS															
4	EE 7	Marcelle Norgeot	-	65	Dn	60	-	-	-	-	-	-	D	DP	Reported high in iron.
5	EE 7	Everett Winslow	-	30	A,Dn	62	2	-	-	-	-	-	D	-	L.
7	EE 7	Howard Rogers	-	95	A,Dn	118	4	-	-	-	97	-	D	-	L.
8	EE 7	Huber Huntley	-	60	Dn	83	2	-	-	-	-	-	D	J	Reported corrosive.
9,10	EE 6	Mass.Dept.Pub.Wks.	1954	2.8	Dn	34	1	-	-	-	-	-	T	-	L. One of 2 borings.
PROVINCETOWN															
11	CC 9	Town of Provincetown	1898	30	Du	14-18	110'x82' top 80'x60' bottom	-	-	-	12	1899	PS,N	-	Iron content low after construction but very high after 6 months of use.
12	CC 9	do.	-	30	Du	12	48	-	-	-	-	-	PS,N	-	
13	CC 9	do.	1905	30	Dr	420	8-6	-	-	-	13	-06	PS,N	-	L.
16	CC 9	do.	-	5	Dr	31	-	-	-	-	-	-	PS	-	Y 300. GP. Auxiliary supply.
17	CC 9	do.	-	5	Dr	22	8	-	-	-	1.6	8-23-50	PS	-	GP. T 60. Auxiliary supply.
18	CC 9	do.	-	5	Dr	23	8	-	-	-	5.73	8-23-50	PS	-	Do.
20	CC 9	Race Point Lighthouse Station	-	12	Dn	13	1¼	-	-	-	-	-	D	-	
21-32	CC 9	Consolidated Ice Co.	-	10	Dn	22	3	-	-	-	-	-	C	-	Y 450. Exact number of wells unknown.
33	CC 9	U. S. Coast Guard	-	30	Dn	10	1½	-	-	-	-	-	PS	-	Y 10.
SANDWICH															
3	Z 6	John Coe	1949	140	Dr	98	6	-	-	Outwash	80	-49	D	-	Y 15. T 51. Two ft. screen.L.
4	Z 6	Sims	1949	145	Dr	108	2½	-	-	do.	90	-49	D	DP	L. Two ft. screen.
5	Z 7	Sandwich Water Dist.	1947	10	Dn	64.5	2½	-	-	do.	0.3	-	T	-	L. Y 53; dd 2.3.
13	AA 6	Carlton	1942	50	Dr	95	6	-	-	do.	70	1-18-50	T	-	L. Y 25.
23	AA 6	Donald Bourne	-	80	Dn	183(?)	2½	-	-	do.	60	1-18-50	-	DP	L. Y 5.
24	Z 6	Newman	1949	125	Dn	65	2	-	-	do.	58	1-19-50	D	J	L. Y 15.
25-66	AA 6	State Fish Hatchery	-	15	Dn	60	1½	-	-	do.	+5	1-19-50	C	-	L. T 50. Flowing yield 480 gpm.
67-108	AA 6	do.	-	15	Dn	40	1½	-	-	do.	7	1-19-50	C	-	Wells flow into pond. Flowing yield of each well 2-15 gpm.
109-116	AA 6	do.	1950	5	Dn	49	2	-	-	do.	+5	1-19-50	C	Su	L. Y 320; dd 10 after 2 hrs. Flowing yield 170 gpm.
117	AA 7	Wing School	1926	50	Dn	51.6	2	-	-	-	28.3	7-24-50	N	-	T 58. Y 10. Reported surficial material, clay. Observation well 1950-52.
119	AA 6	John Ewer	1948	118	Dn	62	2½	-	Sand and gravel	-	54	1- -50	D	-	
121,122	AA 6	Rol-Mor Lodge	-	75	Dn	40-50	2	-	-	-	3-4	1-20-50	D	-	
123	AA 6	William Van Buskirk	-	135	Dr	91	6-2	-	-	-	75	1-20-50	D	-	
138	Z 7	Town of Sandwich	-	20	-	50	1¼	-	-	-	+1.5	8- -50	-	-	T 49.
139	AA 7	Robert Page	-	20	Dn	24.7	-	-	-	-	13.7	7- -50	D	-	T 49.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								BARNSTABLE COUNTY (Continued)							
								SANDWICH (Continued)							
143	AA 6	Holway	-	40	Dn	82	2	-	-	-	-	-	D	-	Brown color and high iron.
146	AA 7	Karl Lunberg	-	15	Dn	27.8	-	-	-	-	9.5	7-22-50:	-	-	T 53.
147	AA 7	Leon Simudis	1950	11	Dn	48	1¼	-	-	-	15	-50:	D	T	Y 12. Restaurant.
150	AA 6	John F. Long	-	85	Dn	80.2	6	-	-	-	54.1	7-26-50:	D	-	T 53.
153	Z 6	U. S. Army	1940	67	Dr	89	24	-	-	Outwash	8	-40:	PS	T	GP. C. Y 729; dd 3.3 after 33 hrs.
154	Z 6	do.	1940	74.5	Dr	90.5	24	-	-	do.	10.5	-40:	PS	T	GP. C. Y 833; dd 4.3 after 24 hrs.
155	Z 6	do.	1940	75.5	Dr	91.5	60-24	-	-	do.	11.5	-40:	PS	T	GP. C. Y 1,042; dd 5.7 after 21 hrs.
158	Z 6	do.	1940	69.4	Dn	101.8	2½	-	-	-	6.0	8- 7-50:	O	-	T 53.
212	AA 6	Thomas Archibald	1950	85	Dn	84	2	-	-	-	64.1	8- -50:	D	-	
213	AA 7	Carafoli	-	15	Dn	42.1	2	-	-	-	7.84	7- -50:	D,N	-	
216	AA 6	Quincy YMCA	-	80	Dn	21.9	1¼	-	-	-	18.5	8- 5-50:	PS	Su	
217-228	AA 6	Mass.Dept.Pub.Wks.	1949	159.1	Dn	31	1	-	-	-	-	-	T	-	L. One of 12 borings.
229-238	AA 6	do.	1949	119.5	Dn	33	1	-	-	-	-	-	T	-	L. One of 10 borings.
239-248	AA 6	do.	1949	183.2	Dn	33	1	-	-	-	-	-	T	-	L. One of 10 borings.
249,250	Z 7	Sandwich Water Dist.	1949	17	Dr	59 & 63	60-10	-	-	Outwash	-	-	PS	Su	GP. Y 600.
251	AA 7	E. B. Curtis	-	5	Dn	65	1½	-	-	-	2	7- -55:	D	Su	
252	AA 6	U. S. Geol. Survey	1962	45	A	57	1¼	-	Sand	-	49.70	11-19-62:	O	-	L.
253	AA 6	do.	1962	115	A	70	1¼	-	do.	-	52.16	11-20-62:	O	-	L.
								TRURO							
1	DD 9	Town of Provincetown:	1908	15	Dn	70.4	1¼	-	-	Outwash (?)	13.3	11-15-54:	O	-	Observation well since 1950.
2-43	DD 9	do.	1924	15	Dn	±30	2½	-	-	-	-	-	PS	T	Y 430.
44	DD 9	U. S. Air Force	1950	110	Dr	150	-	-	-	Outwash	105	-50:	PS	T	L. Y 15; dd 31.6 after 48 hrs. Four ft screen. Pulled back from 170 ft.
60-67	DD 8	Mass.Dept.Pub.Wks.	1949	14	Dn	40.5	1	-	Sand	-	11.0	8- -49:	-	T	L. One of 8 borings.
72	DD 9	R. W. Whitman	-	50	Dn	64	2	-	-	-	-	-	D	DP	Reported high in iron.
73	DD 9	U. S. Air Force	1954	120	Dr	146	6	-	-	-	123.5	6- -54:	PS	-	L. Y 40.
74	DD 9	do.	1951	130	Dr	158	6	-	-	-	115	-51:	PS	-	Y 20.
75	DD 8	Jack's Esso Station	1951	70	Dn	125	2	-	-	Outwash	118	-51:	PS	DP	Y 2.
76	DD 9	Cusson	-	20	Dn	14	-	-	-	-	-	-	D	Su	Reported low in iron.
77	DD 9	do.	-	50	Dn	60	-	-	-	Outwash	-	-	D	-	Reported high in iron.
78-85	DD 9	Town of Provincetown:	1953	25	Dr	63	12-8	-	-	-	-	-	PS	Su	GP. Y 800. Battery of wells 150 ft apart.
87	DD 9	do.	1953	18.2	Dn	50.6	2½	-	-	-	14.63	6- 5-56:	O	-	
89	DD 9	U. S. Geol. Survey	1957	20	A	27.6	1¼	-	Sand	-	15.08	9-24-57:	O	-	L.
90	DD 9	R. M. Mattux	1952	90	Dn	88	4	-	-	-	82.0	10- -52:	D	-	Y 100.
91	DD 9	B. M. Hoskins	1958	80	Dn	80	2½	-	-	-	80.0	6- -58:	D	-	
								WELLFLEET							
3	EE 8	U. S. Army	1943	18.4	Dn	50	2½	-	-	Outwash	-	-	T	-	L. Y 20.
22	DD 8	E. Wheelright	-	70	Dr	472	6	-	-	Outwash (?)	80	-	-	-	Brackish 0-470 ft. Reported fresh water below 470 ft but contained large amounts of combustible gas.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
BARNSTABLE COUNTY (Continued)															
WELLFLEET (Continued)															
23-28	DD 8	Mass.Dept.Pub.Wks.	1938	2	Dn	36.1	1	-	Sand	-	-	-	T	-	L. One of 6 borings.
29-36	DD 8	do.	1946	48	Dn	40	1	-	do.	-	-	-	T	-	L. One of 8 borings.
37	EE 8	C. S. Wickson	1950	25	Dn	26	1¼	-	-	-	17.0	-50	D	-	Contains some iron.
38	EE 8	Frank S. Sujak	-	80	Dn	96	-	-	-	-	80	-54	D	J	
39	DD 8	Lighthouse Restaurant	-	20	Dn	63	2	-	-	-	-	-	PS	Su	
40	DD 8	Hannaford	-	45	Dn	46	1½	-	-	-	41	-54	D	DP	
41	EE 8	U. S. Army	1953	30.8	Dr	54	24	-	-	-	20.7	11- 7-62	PS	-	C. Y 260. GP.
42-49	EE 8	United States National Park Serv	1962	37	Dn	55	1¼	-	Sand	-	30.36	11- 8-62	O	-	One of 8 wells.
YARMOUTH															
1-4	CC 6	Town of Yarmouth	1946	20	Dr	60-65	9	-	-	Outwash	13	7- -55	PS	Su	GP. Y 925.
5	CC 6	do.	1946	20	-	-	52.2	-	-	-	16.8	-	O	-	T 53.
11	CC 6	do.	-	30	-	70	2½	-	-	-	-	-	T	-	L. Y 20.
13	CC 6	do.	-	20	-	20	-	-	-	Outwash	-	-	T	-	L. Pulled back from 65 ft. Reported high in iron and hydrogen sulfide.
16	BB 6	Yarmouth Camp Grounds Assoc.	-	45	Dn	53.1	1¼	-	-	-	25	8-15-50	N,PS	-	T 52.
17	CC 6	Cape Cod Council Boy Scouts of America	-	40	Dn	26.3	1¼	-	-	-	23.0	8-15-50	PS	Su	T 48.
18	CC 6	Andrew B. Kelly	-	15	Dn	19.1	1	-	-	-	14.7	8-16-50	-	-	T 52.
19	CC 6	Stearn	-	10	Dn	18.2	2	-	-	-	11.2	8-16-50	Ir	Su	T 54.
20	CC 6	do.	-	10	Dn	49.3	2	-	-	-	12.8	8-16-50	Ir	Su	T 54. Y 11.
29-31	CC 6	Englewood Hotel	-	10	Dn	28	2	-	-	-	16	5- -50	PS	-	T 53. Y 1,000.
32	CC 6	Yarmouth Dump	-	30	Dn	24	1¼	-	-	-	-	-	-	-	Polluted
33	CC 6	William Norback	-	50	Dn	27.9	1¼	-	-	-	25.1	8-17-50	D	-	
34	CC 6	Walter Tolley	-	10	Dn	18	1¼	-	-	-	-	-	D	-	
35	CC 6	Yarmouth Water Supply	-	15	Dn	34.5	2½	-	-	-	-	-	T	-	L.
37-40	CC 6	Mass.Dept.Pub.Wks.	-	5.8	Dn	40.8	1	-	-	-	-	-	T	-	L. One of 4 borings.
41-43	BB 6	Town of Yarmouth	1953	55	Dr	65-68	24	-	-	Outwash	-	-	PS	T	GP.
44-51	CC 6	Mass.Dept.Pub.Wks.	1953	71.4	Dn	37.2	1	-	Sand	-	-	-	T	-	L. One of 8 borings. All borings reported dry.
52-63	CC 6	do.	1953	51.4	Dn	30	1	-	do.	-	-	-	T	-	L. One of 12 borings. All borings reported dry.
64-75	CC 6	do.	1953	26	Dn	31	1	-	do.	-	14.1	4- -53	T	-	L. One of 12 borings.
BRISTOL COUNTY															
ACUSHNET															
3	W 6	Acushnet Process Co.	1938	5	Dr	100	6	80	-	Bedrock	-	-	C	-	L. T 58. Y 120.
7	W 6	Richmond Morse	-	100	Dr	6	-	-	-	do.	-	-	D	-	
8	W 6	Robert E. Parker	-	30	Du	18	24	-	-	Outwash	-	-	D	-	
10	W 6	Rose Sabourain	-	90	Dr	181	-	82	-	Bedrock	-	-	D	-	
11	W 6	Andrei Halle	-	85	Dr	72	6	41	-	do.	-	-	D	J	Y 7.
12	W 6	Lawrence Reynolds	-	90	Dr	125	6	-	-	do.	-	-	D	-	
13	W 6	Ernest Boisvart	1954	65	Dr	67	-	18	-	do.	5	-54	D	Su	
15	W 6	U. S. Geol. Survey	1958	40	Dr	75	2½	-	-	do.	8.89	8- 7-58	T	-	L.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								BRISTOL COUNTY (Continued)							
								ATTLEBORO							
3	S 8	John C. Lee	-	115	Du	65	30	-	-	Outwash	-	-	N	-	
5	S 8	Crown Mfg. Co.	-	45	Dr	432	6	392	-	Bedrock	-	-	C,N	-	L. Y 200.
45	T 8	City of Attleboro	1934	125	Dr	34.5	36-18	-	-	Outwash	3.9	-34	PS	T	Ten ft screen. High iron content. Y 370. GP. L.
51	T 8	do.	1934	125	Dr	34.9	36-18	-	-	do.	.3	-34	PS	T	Fifteen ft screen. High iron content. Y 1,070; dd 16.9. GP. L.
58	T 8	do.	1904	105	Du	25	40'	-	-	do.	-	-	PS	-	Connected by gallery to Attleboro 59.
59	T 8	do.	1892	105	Du	27	30'	-	-	do.	3	1892	PS	T	Y 1,800; dd 4 after 8 hrs.
60	T 8	do.	1936	101.6	Dr	35	18-9	-	-	do.	5	-36	PS	T	Y 510; dd 20 after 8 hrs. GP.
61	T 8	do.	1936	105	Dr	35	18-9	-	-	do.	5	-36	PS	T	Y 530; dd 20 after 8 hrs. GP.
64	T 8	Adam Kraczkowski	-	135	Du	19.7	16	-	-	do.	17.36	8-26-54	D,N	-	Always dry during dry periods.
65	T 8	John E. Benson	-	95	Du	14	22	-	-	do.	10	8-26-54	D	Su	
68-82	T 8	Mass.Dept.Pub.Wks.	1957	135.0	Dn	67	1	-	-	do.	16.0	2- -57	T	-	L. One of 15 borings.
								BERKLEY							
3	V 7	Charles Brown	-	50	Du	19.4	-	-	-	Outwash	15.28	9- 8-54	D	-	
8	V 7	Damon Clegg	-	20	Dr	190	6	30	-	Bedrock	19	-	D	Su	Y 19.
9	V 7	Fred S. Chester	-	50	Dr	264	6	45	-	do.	125	-	D	J	Y 3.
10	V 7	Louis G. Dumais	-	20	Du	20	24	-	-	Outwash	-	-	D	Su	L.
11	V 7	Clarence Goulden	-	85	Du	32	24	-	-	do.	-	-	D	Su	
12	V 7	John Frizado	-	150	Du	20	-	-	-	Till	-	-	D	Su	Goes dry during dry summer.
								DARTMOUTH							
1	W 6	New Bedford Country Club	1947	130	Dr	350	8-6	2	-	Bedrock	-	-	-	-	L. Dry hole.
3	V 6	DeMoranville	-	145	Du	19.5	24	20	-	Till	9.20	9-15-54	D	-	Dry in dry weather.
5	V 6	Omar Pidgeon	-	65	Du	12	24	-	-	-	-	-	D	Su	Dry in dry weather. High iron content.
6	W 6	Wilford E. Allen	-	85	Du	7	-	7	-	Outwash	-	-	D	Su	
7	W 6	Wilford C. Langlois	1949	170	Dr	167	6	17	-	Bedrock	-	-	D	-	Y 15.
9	W 5	Arthur Duarte	-	90	Du	18	24	-	-	Till	-	-	D	Su	Never dry.
11	V 5	Thomas Andrews	-	30	Dr	142	-	42	-	Bedrock	-	-	D	Su	
12	V 5	Charles Mothi	-	65	Dr	128	6	28	-	do.	-	-	D	Su	L. Y 5.
13	V 5	Joe Dourato	-	100	Du	12	36	-	-	Outwash	-	-	D	Su	
								DIGHTON							
109	U 7	Mt Hope Finishing Co	1943	25	-	31	2½	31	-	-	4	9-28-43	T	-	L.
127	U 7	do.	1943	45	-	35	2½	-	-	-	4	11- 6-43	T	-	L.
180	V 7	Harry C. Hathaway	-	10	Du	20	24	-	-	Till	13	-38	D	-	
185	U 7	Bay State Mineral Co	1906	25	Dr	800	8	±10	-	Bedrock	2.6	-	T	-	Drilled for oil in South Dighton, 1906.
200-212	V 7	Dighton Water Dist.	-	15	Dn	-	-	-	-	-	-	-	PS	Su	Y 150.
214	U 7	Herbert C. Wyatt	-	105	Du	12	-	12	-	Till	-	-	D	-	Dry during summer months.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
BRISTOL COUNTY (Continued)															
EASTON															
18	U 9	Moreshead	-	110	Du	17.2	24	-	-	Till	13.37	8-24-54	D	B	
19	U 9	William J. Norton	1944	190	Dr	150	6	-	-	Bedrock	-	-	D	DP	
20	V 9	No. Easton Water Dist	1952	110	Dr	50	72-48-24	-	-	Outwash	3	8-16-54	PS	T	GP. Y 600.
21	V 9	do.	1887	160	Du	26.6	25'	-	-	do.	2.3	8-15-54	PS	Su	Y 450.
24	V 9	Albert E. Martin	-	135	Dr	210	6	-	-	Bedrock	-	-	D	J	T 55.
25	V 9	do.	-	135	Du	11.9	18	-	-	Outwash	8.15	8-11-54	D	J	T 62. Went dry in 1953.
27	V 9	Wilson	-	130	Dr	50	8	10	-	Bedrock	3	-	D	Screw	
FAIRHAVEN															
1-36	W 6	Fairhaven Water Co.	1893	20	Dn	25-33	2½	-	-	Outwash	-	-	PS	Su	Y 690.
46	W 6	WNBH Radio Station	1946	5	Dn	80	8	-	-	Bedrock	-	-	N	-	L. Y 2. Yields brackish water.
47	X 5	Wilbur	-	10	Dn	30	-	-	-	Outwash	-	-	D	Su	
48	W 6	Fred Kratouil	1949	55	Dr	35	-	17	-	Bedrock	-	-	D	-	
49	W 6	Finnerty	-	65	Du	30	36	-	-	Till	-	-	D	Su	Has been going dry since 1948.
50	X 6	Norbert Gregoire	-	75	Dr	130	6	-	-	Bedrock	-	-	D	-	
51	X 6	S. Moniz	-	75	Dr	49	6	30	-	do.	-	-	D	Su	Y 4.
FALL RIVER															
2	U 6	Ashworth Bros. Inc.	1916	70	Dr	214	6	30	-	Bedrock	22	3-10-48	C	-	T 64. Y 14; dd 80 after 10 min. Surficial material, till. Yields brackish water.
67	U 6	Bristol County Superior Court	1776	135	Du	12.0	30	-	-	Till	8.30	4-27-48	O	-	Observation well since 1948.
70	U 6	Fall River Gas Works	-	25	Dr	250	8-6	107	-	Bedrock	-	-	C	-	Y 40.
77	U 6	Berkshire Fine Spinning Assoc Inc	1947	135	Dr	400	10-8	63	-	do.	80	-25	C,N	-	Y 60. Surficial material, sand.
81	U 6	Duggan Bros. Construction Co.	1943	150	Dr	365	8-6	30	-	do.	-	-	C	-	Y 500. Surficial material, sand. T 46.
84	U 6	Guimond Dairy	1934	215	Dr	500	6	16	-	do.	25	-34	N	-	Y 3. Surficial material, sand and clay.
91	U 6	Richard Borden Mills Corp.	1913	135	Dr	500	10-8	35	-	do.	15	-	C,N	-	Surficial material, clay, sand, gravel, and muck. High iron content. Y 100.
95	U 6	LeComtes Dairy	1930	40	Dr	507	8-6	140	-	do.	-	-	-	-	Surficial material, fine sand. Yields brackish water. T 50. Y 100.
111	U 6	Sylvia Gladu	-	140	Du	14	13'-4'	-	-	Till	10	9-26-52	D	-	T 58. Y 3.
116	U 6	Globe Home Laundry Co	-	185	Dr	225	8-6	90	-	Bedrock	8	3-11-48	C	-	Surficial material, fine sand. High iron content. Y 80.
117	U 6	John Carrairo	-	30	Du	9.4	30	-	-	Outwash	1.9	1-20-53	D	-	Reported dry in summer.
118	U 6	M. Cabeceiros	-	160	Du	6.6	30	-	-	Till	5.9	1-21-53	N	-	
119	U 6	Avon Curtain Corp.	1950	145	Dr	220	6	25	-	Bedrock	-	-	C	-	Surficial material, sand and gravel. Y 60.
124	V 6	Bento Cossa	-	220	Dr	135	-	24	-	do.	20	-	D	Su	

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Use	Type of pump	Remarks
								BRISTOL COUNTY (Continued)							
								FREETOWN							
4	W 7	Albert DeMoranville	-	120	Du	18	18-48	-	-	Outwash	8	9-12-54	D	Su	
5	W 7	Don Coelho	-	100	Du	25	24	-	-	-	-	-	D	-	Dry in dry periods.
6	W 7	Kenneth Whittaker	-	85	Dr	125	6	-	-	Bedrock	-	-	D	DP	
7	W 7	Earl Darling, Jr.	-	95	Dn	40	-	-	-	Outwash	-	-	D	Su	Reported high in iron.
8	V 7	Gabriel DeCompus	-	172	Dr	175	6	-	-	Bedrock	-	-	D	-	
9	V 7	Arthur Gymond	-	35	Dr	90	6	-	-	do.	-	-	D	Su	
10	W 7	U. S. Geol. Survey	1958	90	Dn	26.5	2½	-	Sand	Outwash	3.69	8- 1-58	T	-	L.
11	W 6	do.	1958	90	Dn	52	2½	52	-	Bedrock	2.80	8- 5-58	T	-	L.
12	V 7	Albert Michaud	-	80	Dr	125	6	-	-	-	-	-	D	-	
13	V 7	do.	-	80	Du	18	-	-	-	Till	-	-	D,Ir	-	Flows in wet periods, dry in dry periods.
14	V 7	Ambrose Clark	-	170	Du	7	24	-	-	Outwash	.5	9- 8-54	D	B	
15	V 7	Sarah E. Mosley	-	175	Du	35	-	26	-	Bedrock	-	-	D	Su	
16	V 7	Henry Miller	-	116	Dr	90	-	45	-	do.	-	-	D	-	
17	V 7	Pettey	-	100	Du	20	18	-	-	Till	-	-	D	Su	Often dry.
18	W 6	Leo Lafountain	-	115	Dr	100	6	50	-	Bedrock	-	-	D	J	High iron content.
19	W 6	Thaddeus Zosiak	-	115	Du	20	24	-	-	Outwash	-	-	D	Su	
20	W 6	Joseph Lopes	-	110	Du	18	24	-	-	-	-	-	D	Su	Dry in every dry period.
21	W 6	Maud Bowen	-	120	Du	25	24	-	-	Outwash	-	-	D	-	
22	W 7	U. S. Geol. Survey	1958	90	Dr	115	2½	110	-	Bedrock	23.77	8- 7-58	T	-	L.
								MANSFIELD							
103-105	T 9	City of Attleboro	1936	133	Dr	30	6	-	-	Outwash	-	-	PS	-	Y 300. GP. Five ft. screen. Emergency supply only.
114	U 9	Town of Mansfield	1888	130	Du	20	30'	-	-	do.	-	-	PS	-	Y 1,040. Known as Cate Spring.
115	U 9	do.	1950	125	Dr	40	6'	-	-	do.	-	-	PS	T	Y 1,200. GP.
116	T 9	do.	-	150	Dr	42	6'	-	-	do.	-	-	PS	T	GP.
117	T 9	do.	-	150	Dr	42	6'	-	-	do.	-	-	PS	T	GP.
118	U 9	Harry Wheeler	-	155	Du	7.8	30	-	-	-	4.22	8-23-54	D,N	-	
								NEW BEDFORD							
3	W 6	Olympia Theatre	1915	55	Dr	200	10-8	6	-	Bedrock	12.10	5-18-48	C,N	-	
5	W 6	My Bread Baking Co.	1938	40	Dr	250	10-8	24	-	do.	8	-	C	-	T 50. Y 13.
7	W 6	Firestone Textile Mills	1926	75	Dr	770	10-8¼	50	-	do.	10	-	C	T	T 60. Y 10; dd 70.
13	W 6	Farmer's Dairy	1943	120	Dr	125	8-6	40	-	do.	-	-	C	-	T 50. Y 50.
17	W 6	Dawson Brewery Inc.	1938	50	Dr	350	8-6	12	-	do.	5	-	C,N	-	T 54. Y 18.
22	W 6	New England Overall Co.	1911	10	Dr	60	6	15	-	do.	-	-	C,N	-	Yields brackish water. Y 5.
23	W 6	Frates Dairy Co.	1921	100	Dr	189	8-6	20	-	do.	3	-21	C	-	A. T 52. Y 150; dd 0.5 after 1 hr.
26	W 6	Lambeth Rope Co.	1893	100	Dn	17	2½	17	-	Outwash	.20	5-26-48	C,N	-	T 50.
38	W 6	Acushnet Process Co.	1941	5	Dr	200	8-6	55	-	Bedrock	7	-	C,N	-	Y 110. River water reportedly infiltrating.
42	W 6	Smith Bros. Brewery	1919	40	Dr	200	10-8	17	-	do.	Flowing	5-27-48	C,N	-	Top of casing 10 ft. below land surface.
43	W 5	Acushnet Mills	1898	5	Dr	87	-	18	-	do.	-	-	C	-	A. Y 45.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								BRISTOL COUNTY (Continued)							
								NEW BEDFORD (Continued)							
59	W 5	Hathaway Mfg. Co.	1947	10	Dr	200	8-6	20	-	Bedrock	3	-47	C,N	-	T 66. Y 150.
60-65	W 6	Mass.Dept.Pub.Wks.	1897	0.0	Dn	38.6	4	38.6R	-	-	-	-	T	-	L. One of 6 borings.
66-74	W 6	Union St. Railway	1945	4.6	Dn	18	2½	25.5R	-	-	-	-	T	-	L. One of 9 borings. Water level varies with tide.
89-96	W 6	New Bedford Gas and Electric Co.	1945	5	Dr	44	2½	5.0	-	Bedrock	12.0	-	T	-	L. One of 8 borings.
115	W 6	Frates Dairy Inc.	1952	100	Dr	205	8	20	-	do.	Flowing	-52	C	T	C. Y 100.
								NORTH ATTLEBOROUGH							
1	S 8	Robert Holiday	1914	245	Dr	310	6	10	-	Bedrock	-	-	S	-	
3	S 8	Matilda Holmes	-	185	Du	9.7	30	10	-	Till	3.95	8-22-46	D	Su	Never dry.
4	S 8	W. Jennison	-	130	Du	50	36	-	-	Outwash	22.28	8-22-46	D	-	Reported low in dry summer.
5	S 8	Robert Hirsch	-	85	Du	13.1	30	-	-	do.	12.5	8-28-46	D,N	-	
6	S 8	George Boufford	1936	100	Du	35	30	-	-	do.	29.72	8-28-46	D	-	Never dry.
7	T 9	Roger E. Adams	1948	180	Dn	28	1¼	-	-	do.	21	-	D	Su	
8	T 8	Town of North Attleborough	-	190	Du	12.9	60	-	-	do.	7.74	8-23-54	N	-	
9	T 8	Elmer Emery	1950	130	Dr	20	-	-	-	-	-	-	D	-	Reported dry in summer sometimes.
10	T 8	John W. Collin	1950	310	Dr	500	-	36	-	Bedrock	-	-	D	DP	T 54. Y 3.
11	T 8	Otto Evans	1937	280	Dr	345	8	5	-	do.	-	-	D,S	-	T 45. Y 14.
13	T 8	John Grzenda	-	140	Du	10.8	30	-	-	Outwash	8.66	8-26-54	D,N	-	
14-21	T 8	Mass.Dept.Pub.Wks.	1953	75.8	Dn	18	1	-	-	-	-	-	T	-	L. One of 8 borings.
22	T 8	Town of North Attleborough	-	190	-	50	2½	-	-	Outwash	.8	-	T	-	Y 60; dd 3.3 after 1 hr. L.
26	T 8	do.	1884	190	Du	29	25'	-	-	do.	-	-	PS	Su	Y 277.
27	T 9	John Bieleiki	-	305	Du	22.6	48	-	-	Till	13.15	8-23-54	D	Su	Dry in dry periods.
								NORTON							
1	U 8	U. S. Army	1942	75	-	85	2½	85R	-	Outwash	3.9	9- 8-42	T	-	L. Y 75; dd 5.7 after 43 hrs.
12-16	U 8	Mass.Dept.Pub.Wks.	1942	67	Dn	69.5	1	-	-	do.	-	-	T	-	L. One of 5 borings.
18	U 8	Sam Alpert	-	128	Du	16	24	-	-	-	10.0	9-10-30	D	-	
19	U 8	Town of Norton	-	80	Dr	52	72-8	-	-	Outwash	-	-	PS	T	GP. Y 300.
20	U 8	do.	-	80	Dr	42	72-8	-	-	do.	-	-	PS	T	GP. Y 300.
21	U 8	Ray Rounds	-	135	Dr	138	6	55	-	Bedrock	1	-	D	J	Y 1.
22	U 8	Joe DeAvellar	-	95	J	40	3	-	-	Outwash	-	-	D	Su	
24	U 8	Irvin Fuller	-	130	Du	22.4	-	-	-	-	18.92	8-24-54	D	Su	Dry once.
25	U 8	Robert Salisbury	-	102	Dr	175	6	-	-	Bedrock	-	-	S,D	-	
								RAYNHAM							
1-6	V 8	Mass.Dept.Pub.Wks.	1944	5.0	Dn	44	-	-	-	Outwash	1.7	11- -44	T	-	L. One of 6 borings.
10-20	V 8	Town of Raynham	-	80	Dn	±28	-	-	-	do.	-	-	PS	Su	Y 180.
21	V 8	-	1954	55	Dr	67	6	18	-	Bedrock	26	8-27-54	D	-	
22	V 8	Charles Hall	-	90	Dr	77	6	20	-	do.	-	-	N	-	Y 1.
24	V 8	George R. Watts	-	105	Du	18	30	-	-	Outwash	16	8-27-54	D	Su	Went dry in 1932.
26-35	V 8	Mass.Dept.Pub.Wks.	1951	101.7	Dn	14.0	-	14R	-	-	-	-	T	-	L. One of 10 borings.
36-45	V 8	do.	1951	40.5	Dn	50.1	-	50R	-	Outwash	8.6	6- -51	T	-	Do.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
						BRISTOL COUNTY (Continued)									
						REHOBOTH									
1	T 7	Frank Ormand	-	35	Dr	98	6	-	-	Bedrock	10.8	6-18-52:	D	-	T 54.
12	T 7	George Sutcliffe	1947	10	Dr	116	6	100	-	do.	1	6-12-52:	D	-	T 52. Y 100. Reported high iron content. Water gushed out 10 ft. when drilled.
16	T 7	C. J. Sandberg	-	15	Du	11.7	30	-	-	Outwash	7.6	6-19-52:	D	-	T 62.
24	T 7	Joseph Costa	-	20	Du	11.5	24	-	-	do.	8.1	6-20-52:	D	-	
28	T 7	John L. Reed	1946	40	Dr	125	6	30	-	Bedrock	-	-	D	-	Water reported hard.
32	T 7	Frank Olivera	1951	55	Dr	140	6	92	-	do.	22	9- -51:	D	-	
37	T 7	Archie Colbeth	-	30	Du	11.6	24	-	-	Outwash	5.6	6-24-52:	D	-	T 54.
49	T 7	Mrs. H. B. Chappell	1940	50	Du	23.7	30	-	-	do.	15.0	6-25-52:	D	-	T 59.
59	T 7	Mary Roderick	1950	50	Dr	110	6	90	-	Bedrock	-	-	D	-	T 54.
73	T 7	A. C. Burnett	1938	60	Du	14.5	24	15	-	Outwash	10.4	7- 7-52:	D	-	T 51.
83	T 7	Ann MacLelland	1942	50	Dr	160	6	92	-	Bedrock	33	9- -42:	D	-	T 56. Y 16. Water reported soft.
89	T 7	Edward P. Jastram	1949	80	Dr	304	6	47	-	do.	28	7- -49:	D	-	T 51. Y 6. Water reported soft.
96	T 7	Edith Kingsley	-	100	Dn	12	1½	-	-	Outwash	-	-	D	-	T 56.
109	T 7	H. E. Jenkinson	-	140	Du	15.3	24	-	-	Till	11.0	7-17-52:	D	-	T 54.
112	T 7	Ralph Jennings	1951	70	Dr	140	6	40	-	Bedrock	-	-	D	-	T 56. Y 6.
117	T 7	Joe Frutado	1942	175	Dr	135	6	20	-	do.	15	5- -42:	D	-	T 56. Y 12.
149	T 8	William Smith	1957	150	Dn	14	2	-	-	Outwash	-	-	D	Su	
150	U 7	Harris	1957	70	Du	22	24	-	-	do.	-	-	D	Su	
151	U 7	Rousseau	-	82	Du	16	24	-	-	Till	-	-	D	-	
154	U 7	Joseph F. Mederros	1957	80	Dr	184	6	100	-	Bedrock	-	-	D	-	
155	U 7	Mary Bettencourt	1957	110	Du	25	24	-	-	Till	-	-	D	Su	
156	U 7	Howard M. Brown	1957	110	Du	25	24	-	-	-	-	-	D	Su	
160	U 8	Tom Bliss	-	145	Du	15	-	-	-	-	12.3	1-25-50:	D	-	
163	U 8	Lawrence Limpus	-	143	Du	15	42	-	-	Till	Dry	9-10-30:	D	-	
167	U 7	Pleasant St. School	-	85	Du	30	48	-	-	-	-	-	D	-	
173	U 7	G. S. Cooper	-	80	Du	20	36	-	-	-	15	2- 5-36:	D	-	
174	U 7	Padnorse	1945	95	Du	8	20	-	-	Till	6	9-15-48:	Ir	-	
175-190	T 7	Mass.Dept.Pub.Wks.	1958	7	Dn	25	1	-	-	Outwash	4.0	6- 3-58:	T	-	L. One of 15 borings.
191-202	T 7	do.	1958	24.2	Dn	59	1	54	-	Bedrock	2.5	5-21-58:	T	-	L. One of 12 borings.
						SEEKONK									
5	T 7	Max Berry	1928	170	Dr	210	6	15	-	Bedrock	-	-	D,S	-	
12	T 7	R. Zundal	-	80	Du	20.8	30	-	-	Till	18.3	7-25-52:	-	-	T 52.
15	T 7	Frank Clegg	1935	25	Dr	200	8	55	-	Bedrock	8.0	7-28-52:	Ir	-	
25	T 7	Mrs. Romano	1949	15	Dr	120	6	90	-	do.	20	5- -49:	-	-	Y 35.
39	T 7	Ernest Lunden	-	35	Dn	32	3/4	-	-	Outwash	-	-	D	-	
54	T 7	M. Amaral	1930	50	Dr	75	6	30	-	Bedrock	18	7- -52:	D	-	Water reported hard.
66	T 7	W. A. Adams	-	70	Du	14.3	36	-	-	Till	6.8	8-14-52:	D	-	
70	T 7	Joseph Marshal	1928	80	Dr	84	6	40	-	Bedrock	27	-28:	-	-	Y 12. Reported high iron content.
72	T 7	Oscar Fredrickson	1949	130	Dr	130	6	40	-	do.	12	10- -49:	D	-	T 57. Water reported hard.
96	T 7	Simon Santos	1949	120	Dr	166	6	50	-	do.	30	-49:	D	-	Y 15.
100	T 7	R. F. Turner	1952	140	Dr	106	6	21	-	do.	15	8- 8-52:	D	J	L. Y 10.
109	T 7	Eileen Darling	1930	40	Dr	75	8	75	-	do.	-	-	-	-	L.
110	T 7	C. Gow	1937	40	Dr	170	6	75	-	do.	20	-40	C	-	Water reported hard.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
BRISTOL COUNTY (Continued)															
SEEKONK (Continued)															
129	T 7	B. N. Kane	1946	95	Dr	462	6	60	-	Bedrock	11	12- -46	D,S	-	Water reported medium hard.
145	T 7	Winfield E. Pray	1940	80	Dr	136	6	80	-	do.	-	-	D	-	Do.
153	T 7	G. Sykes	-	60	Dn	28	1¼	-	-	Outwash	10-12	8- -52	D	Su	
163	T 7	Pleasant St. School	1947	50	Dr	210	6	100	-	Bedrock	10	-47	-	-	Y 25.
167	T 7	James Conlan	1932	60	Dr	52	6	20	-	do.	17	-32	D	-	Y 30.
173	T 7	Seekonk Water Dist.	1945	80	Dn	42	2½	-	-	Outwash	-	-	T	-	L. Y 35 after 8 hrs. High iron content reported.
178-236	T 7	do.	1945-1946	60	Dn	29-49	2½	27-49	-	do.	-	-	PS	Su	Yields of individual wells range from 7½ to 150 gpm.
264	T 7	do.	1952	60	Dn	86	2½	86R	-	do.	13.3	12- 6-52	T	-	L. Y 64; dd 0.5 after 2 hrs.
265	T 7	do.	1953	60	Dr	61.8	60-24	-	-	do.	12.0	6- -53	PS	Su	L. GP. Y 700; dd 10 after 48 hrs.
SOMERSET															
6	U 6	Antone Medeiros	-	105	Du	25.6	32	-	-	Till	11.9	9-22-52	D,N	-	
9	U 6	E. Kershaw	1949	15	Du	15.9	30	-	-	Outwash	13.3	9-22-52	D	Su	Y 2.
11	U 6	Caroline Brayton	-	90	Du	41	10'	-	-	Till	27.1	9-22-52	S	-	
17	U 6	A. R. Donle	1894	35	Du	22.8	30	23	-	do.	16.04	10- 1-52	D	Su	
23	U 6	A. Belanger	-	95	Du	32.5	36	-	-	do.	16.3	10- 7-52	D,N	B	
24	U 6	Mary Kudlacik	1951	160	Dr	65	6	30	-	Bedrock	11.9	10- 9-52	-	-	Y 20.
29	U 6	J. R. Sisson	-	50	Du	25.4	36	-	-	Till	19.5	10-10-52	A	-	
33	U 6	J. Leite	-	25	Du	22.6	30	-	-	do.	14.75	10-15-52	D	-	
37	U 6	Antone P. Cordega	-	145	Du	15	30	-	-	do.	10	10-15-52	-	-	
39	U 6	Montaup Electric Co.	1924	35	Dr	195.5	8-6	30	-	Bedrock	18	5- -24	C,N	-	Y 10.
110	U 7	Edith Borden	-	30	Du	20	-	-	-	Till	10	-37	D	B	
145	U 7	E. S. Parks Shellac Co.	-	10	Dn	33	6	-	Sand and gravel	Outwash	12	-25	C	-	Y 500. Unfit for drinking.
147	U 7	Jean Violette	-	120	Du	22	-	-	-	Till	12	-39	D	-	Safe for drinking.
SWANSEA															
1	U 7	Anthony Reese	1890	145	Du	25.2	30	-	-	Till	21.95	9- 2-48	D	-	
2	U 7	R. Sylvia	-	110	Dr	140	6	40	-	Bedrock	19	-	D	-	Y 25.
4	U 7	Merrill Chase	-	95	Du	15	30	-	-	Outwash	8.0	9- 2-48	D	-	
5	T 7	Swansea Water Dist.	1950	23	Dr	41	24	-	-	do.	6.5	7- -50	PS	T	L. GP. Y 150; dd 3.6 after 8 hrs.
6	T 7	do.	1950	23	Dr	36	24	-	-	do.	6	7- -50	PS	T	L. GP. Y 150; dd 9 after 72 hrs.
7	U 7	Myron Baker	-	50	Du	24	30	-	-	-	10	9-14-48	D,S	-	Never dry.
15	U 7	Espaniola	-	60	Du	15.5	30	-	-	-	13.0	9-10-48	D	-	
19	U 7	Torres	-	40	Du	20	30	-	-	Till	15	9- -48	D	-	
23	U 7	Suprenard	-	50	Dr	75	6	24	-	Bedrock	-	-	D	-	
25	U 7	Wood	-	35	Du	14.5	30	-	-	Outwash	7	9-22-48	C,D	-	
42	U 6	Ian Walker	1932	45	Dr	198	6	35	-	Bedrock	-	-	D	-	T 57. Y 25. Surficial material, till.
60	T 7	Lydia Vinnicum	-	40	Dr	95	6	50	-	do.	-	-	D	-	T 55.
67	T 7	T. Trimble	-	30	Dr	51	6	46	-	do.	2	6-11-52	D	-	T 52. Water reported hard.
87	T 7	J. J. Bowman	-	10	Du	10.1	24	-	-	Outwash	8.4	6- 6-52	N	-	

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								BRISTOL COUNTY (Continued)							
								SWANSEA (Continued)							
89	T 7	W. N. Marx	-	15	Du	8.8	24	-	Sand	Outwash	4.3	6- 6-52	D,S	-	T 55.
90	T 7	C. E. Johnson	-	60	Du	17.9	24	-	-	Till	10.5	6- 9-52	D	-	T 52. Never dry.
92	T 7	Bruno Ward	-	50	Dr	187	6	33	-	Bedrock	16.0	6-26-52	D	-	T 54. Y 5.
93	T 7	Hugo Helgerson	-	35	Du	16	24	-	Sand and gravel	Outwash	10	6- 9-52	D	-	T 58.
108	T 7	R. D. Barney	-	25	Du	13.0	30	-	-	do.	7.3	6-12-52	D	Su	T 53. Y 2.
112	T 7	T. P. Slack	1950	50	Dr	135	6	20	-	Bedrock	17	11- -50	D	J	T 54. Y 7. Surficial material, till.
122	U 6	Arthur Beaudry	-	15	Dr	97	6	40	-	do.	-	-	D	-	
126	U 6	J. Soares	-	60	Du	25	30	-	-	Till	-	-	D	Su	Y 2.
139	U 6	L. Fagan	1930	45	Dr	91	6	20	-	Bedrock	-	-	Ir	-	Y 10.
144	U 6	Laflamma Bros.	-	30	Du	23.9	48	-	-	Outwash	12.9	9-25-52	N	-	
149	U 6	Case High School	-	40	Dr	37	6	21	-	Bedrock	7	9-25-52	N	-	L.
160	U 6	T. Harrison	-	180	Du	38	48	38	-	Till	18.42	10- 2-52	N	-	Well dry in summer of 1949.
								TAUNTON							
1	U 8	U. S. Army	1942	74	Dr	43.7	60-24	44	-	Outwash	10.3	6-19-42	PS	T	L. Y 440. GP. Five ft of screen.
2	V 8	do.	1942	75.5	Dr	66.5	60-24	-	-	do.	12.0	-42	PS	T	L. Y 800. GP. Ten ft of screen.
3	V 8	do.	1942	72	Dr	54.2	60-24	-	-	do.	9.8	-42	PS	T	L. T 50. Y 900. GP. Thirteen ft of screen.
4	V 8	do.	1943	73	Dr	62	20-12	-	-	do.	-	-	PS	T	L. Y 1,000. GP. Fifteen ft of screen.
5	V 8	City of Taunton	1889	8	Dr	975	8	85	Bedrock	Bedrock	11	12- 1889	PS	Su	L. Y 49.
12	V 8	do.	1887	10	Dn	34.2	3	-	-	Outwash	11.13	7-16-48	PS,N	-	T 55. Y 15. Open end.
15	V 8	Taunton Gas and Light Co.	1944	10	Dr	504	10-8$\frac{1}{4}$	70	-	Bedrock	11.4	2-14-44	C	T	L. T 57. Y 136.
17	V 8	Taunton Municipal Lighting Plant	1929	10	Dn	29.3	2$\frac{1}{2}$	-	-	Outwash	8.57	7-23-48	C,N	-	
21-43	V-8	Geilich Tanning Co.	1944	10	Dn	62	2$\frac{1}{2}$	62	-	Bedrock	-	-	T	-	L. T 54.5. Y 25. One of 23 wells.
44-51	V 8	Hughes Eyelet Co.	-	20	Dr	225	8-6	60	-	do.	-	-	C	-	Good water quality reported. One of 8 wells.
53	V 8	Reed & Barton Factory	1926	55	Dr	504	10-8	-	-	do.	12	9- -46	C	Su	T 54. Y 250; dd 14 after 24 hrs.
62	V 8	New Jersey Rubber Co	1914	20	Dr	400	10-8	40	-	do.	-	-	C,N	-	Y 17.
63	V 8	Etna Twist Drill Co.	-	60	Dr	210	3$\frac{1}{2}$-6	-	-	do.	-	-	D,C	-	T 54. Y 10.
65	U 8	City of Taunton	1929	165	Dr	800	8-6	10	-	do.	5	-29	N	-	Y 40.
68	U 8	do.	1933	110	Dr	105	8-6	22	-	do.	-	-	PS,N	-	Y 10.
69	V 8	Lafayette Club Inc.	1937	120	Du	32	30	-	-	Outwash	-	-	N	-	
70	V 8	Devine's Dairy	1935	25	Dr	210	6	50	-	Bedrock	-	-	C	-	C. T 53. Y 55. Surficial material, gravel.
78	V 8	Joseph S. Finch & Co	1940	15	Dr	512	8-6	45	-	do.	-	-	C	-	Y 45.
80-105	V 7	Sewage Disposal Wks.	1946	5.5	Dn	35	2$\frac{1}{2}$	-	-	Outwash	3.6	6-13-46	T	-	L. One of 26 borings.
106-111	U 8	Mass. Dept. Pub. Wks.	1936	38.6	Dn	31	1	31R	-	do.	3.8	10- -36	T	-	L. One of 6 borings.
112-117	U 8	do.	1942	84.5	Dn	44	1	44R	-	do.	11.4	2- -42	T	-	Do.
118-121	V 8	do.	1942	61	Dn	98.5	1	98.5R	-	do.	1.0	10-20-42	T	-	L. One of 4 borings.
168-173	V 8	New England Telephone and Telegraph Co.	1946	30	Dn	53.5	2$\frac{1}{2}$	53.5R	-	do.	-	-	T	-	L. One of 6 borings.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								BRISTOL COUNTY (Continued)							
								TAUNTON (Continued)							
174-182	V 8	Mass.Dept.Pub.Wks.	1944	39.2	Dn	44	1	44.0	-	Outwash	4.6	2- -44	T	-	L. One of 9 borings.
185-190	V 8	H. L. Green Co.	1944	19.3	Dn	55	2½	-	-	do.	8.0	2- 4-44	T	-	L. One of 6 borings.
191-204	V 8	Kendall Taylor Co.	1935	55.5	Dn	36	2½	-	-	do.	8.0	2-16-35	T	-	L. One of 14 borings.
237	V 8	General Electric Co.	1944	20	Dr	756	10-8	20	-	Bedrock	6.08	7-26-48	C,N	-	T 57. Y 170; dd 70. The interval 500 to 756 ft did not increase yield.
243	U 8	Joseph M. Rogers	-	65	Dn	30	2½	-	-	Outwash	-	-	D	-	Low iron content.
245	U 8	Arthur Hadley	-	80	Du	19.0	24	-	-	do.	12.17	2- 4-39	-	-	Observation well 1939-40.
247	U 8	E. Garceau	-	75	Du	12-15	24	-	-	do.	-	-	-	-	A. Unfit for drinking.
273	V 8	U. S. Army	-	80	Du	29	36	-	-	do.	26	8-10-42	D	-	
289	U 7	Mt Hope Finishing Co.	1944	25	Dr	24.6	36-24	-	-	do.	3.4	6-30-44	C	Su	Y 302; dd 10.4 after 12.3 hrs. Five ft of screen.
318-323	U 8	Mass.Dept.Pub.Wks.	-	12.7	Dn	24.3	1	24.3	-	Bedrock	.72	-	T	-	L. One of 6 borings.
324	V 7	John Rupa	-	110	Du	21.0	30	-	-	-	12.79	9- 8-54	D	Su	
325	V 8	King	-	50	Du	33	30	-	-	Outwash	26	-	D,S	-	T 53.
327-335	U 8	Mass.Dept.Pub.Wks.	1954	30.7	Dn	20.5	1	20.5	-	Bedrock	-	-	T	-	L. One of 9 borings.
336	W 8	Edward Dever	-	45	Dr	100	6	-	-	do.	-	-	D,S	-	Y 5.
								WESTPORT							
1	U 6	H. Proulx	1947	140	Du	12	30	-	-	Till	9.5	10-17-53	D	-	Y 2.
8	V 5	James H. Roberts	-	10	Dn	17	1¼	-	-	Outwash	12	9- -54	D	Su	
9	V 5	Walter Marston	-	50	Dr	630	-	25	-	Bedrock	-	-	D	DP	
10	V 5	Joseph Perry	-	170	Du	20	24	-	-	Till	-	-	D	Su	Dry in dry periods.
11	V 5	Henry F. Perry	-	55	Dr	49	-	13	-	Bedrock	-	-	D	Su	Y 3.
12	V 6	W. H. Tetraut	-	45	Du	16	36	-	-	-	-	-	D	-	
14	V 6	Ellis Lauton	-	195	Du	18	30	18	-	Outwash	9.8	9- 2-54	D	-	Dry in dry periods.
15	V 5	E. H. Fadden	-	10	Du	11.2	-	-	-	do.	7.83	9- 2-54	D	-	
16	V 5	Boy Scouts of America: Fall River Council	1927	30	Dr	160	6	80	-	Bedrock	-	-	PS	-	
18	V 5	Nick Silvarius	1941	15.1	Dr	26.7	8	-	-	do.	12.33	12-19-56	D	-	Y 50.
20	V 5	do.	-	15.2	Dr	24.8	6	-	-	do.	13.76	12-20-56	D	-	
22	V 5	do.	-	16.9	Du	18.2	24	-	-	Till	16.16	12-27-56	D	-	
24	V 5	Mass.Dept.Pub.Wks.	1956	12.8	Dn	92	2½	92R	-	Bedrock	8.92	9-14-56	T	-	L.
26	V 5	do.	1956	13	Dn	86	2½	86R	-	do.	3.83	11- 9-56	T	-	L.
28	V 5	do.	1956	12	Dn	55	2½	-	-	Outwash	7.16	11-13-56	T	-	L. Y 7.
								DUKES COUNTY							
								CHILMARK							
15	Y 3	U. S. Air Force	1943	170	Dr	124	6	-	Fine gravel	-	83	-	D	DP	L. Y 25. Screened, 114-124 ft.
16	Y 4	L. King	1953	145	Dr	259	6	-	Medium and fine sand	-	28	6-30-53	D	J	L. Y 10. Screened, 254-259 ft. Well pulled back from 261 ft. Very high iron content.
22	X 3	William Austin	1953	95	Dr	120	4	-	-	Outwash (?)	82	2-24-53	D	-	L. Y 10. Screened, 115-120 ft.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Water: Type of pump	Remarks
								DUKES COUNTY (Continued)							
								CHILMARK (Continued)							
23	Y 3	C. P. Bigelow	1952	45	Dr	57	4	-	-	-	39	2- 8-52	D	-	L. Y 10. Screened, 52-57 ft.
24	X 3	G. Condict	1954	40	Dr	67	4	-	-	Outwash (?)	39	1-22-54	D	-	L. Y 20. Screened, 61-67 ft.
25	X 3	A. G. Darling	1953	100	Dr	62.5	4	-	-	do.	25	9-16-53	D	-	L. Y 10. Screened, 58-62.5 ft.
26	Y 3	H. Geyer	1954	180	Dr	110	6	-	-	Outwash	80.5	3- 9-54	D	-	L. Screened, 105-110 ft.
27	X 3	Menemcha Water Co.	1954	90	Dr	85	6	-	-	Outwash (?)	5	7-20-54	PS	-	L. Y 50; dd 23 after 8 hrs. Screened, 74.5-85 ft.
28	Y 3	R. C. McGown	1953	130	Dr	121	6	-	-	Outwash	68	8- -53	-	-	L. Screened, 116-121 ft.
								EDGARTOWN							
4	Z 3	U. S. Navy	-	12	Dr	34.6	8	-	-	-	10.07	4-19-55	N	-	
5	Z 3	C. R. Maury	-	10	Dn	13	1¼	-	-	Outwash	5	4-19-55	D	Su	Y 5. High iron content reported.
6	Z 4	Edgartown Water Co.	-	15	Du	19	17'	-	-	do.	-	-	PS	Su	Y 350.
7-23	Z 4	do.	1905	10	Dn	12-22	-	-	-	do.	-	-	PS	Su	Y 625.
24	Z 4	do.	-	10	Dr	42.5	10	-	-	do.	2.3	-	PS	T	GP. Y 445; dd 21.
25	Z 4	do.	1951	15	Dr	57.5	12	-	-	do.	4.3	10-17-51	PS	T	L. GP. Y 550; dd 22.3 after 21 hrs. Twenty ft. of screen. Now pumped at 800 gpm.
26	Z 4	Martha's Vineyard Locker Plant	1954	25	Dr	60	6	-	-	do.	15	3-12-54	C	J	L. T 49. Y 300. Screened, 49-60 ft.
27	Z 4	Elmer Burnham	-	50	Dr	55	6	-	-	do.	47	4-19-55	D	J	Y 16.
28	Z 3	Robert P. Brown	-	30	Dn	30	1½	-	-	do.	28	4-19-55	D,Ir	DP	T 54.
29	Z 3	Leisha L. Smith	-	20	Dn	18	2	-	-	do.	-	-	D,S	Su	Y 20. High iron content reported.
31	AA 3	Russel B. Stearns	-	25	Du	29	-	-	-	do.	18.5	-	Ir	Su	Y 40.
33	AA 4	do.	-	35	Dn	34	2	-	-	do.	-	-	D,Ir	Su	Y 600.
								GAY HEAD							
1	X 3	C. W. Ryan	-	20	Dn	37	1¼	-	-	-	17	4-22-55	D	J	Y 8.
2	X 3	Griedr	-	115	Dn	32	1¼	-	-	-	-	-	D	Su	
3	X 3	W. Manning	1953	125	Dr	173.5	4	-	Sand and gravel	-	91.5	8-31-53	D	-	L. T 50. Y 10. Screened, 169-173.5 ft. Well pulled back from 175 ft.
4	X 3	S. H. Scheuer	-	20	Dr	67	4	-	-	Outwash	27	-	D	-	L. Y 15. Screened, 63-67 ft.
								OAK BLUFFS							
1	Z 4	Ann O'Krongly	-	41	Dn	42-44	1½	-	-	-	-	-	-	-	A.
2	Z 4	Mass. Natural Res.	-	5	Dn	17	1½	-	-	Outwash	-	-	C	Su	Yields brackish water.
3	Z 4	Town of Oak Bluffs	-	15	Co	-	-	-	-	do.	-	-	PS	Su	Y 930. Water collected in lateral pipes, diam. 10-4 in., total length 1,500 ft., depth about 10 ft. below surface, drains into pumping pit.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Use	Type of pump	Remarks
								DUKES COUNTY (Continued)							
								TISBURY							
1	Z 4	Town of Tisbury	1952	115	Dr	262	5 7/8	-	-	-	-	-	T	-	L.
2	Z 4	do.	1952	115.7	Dr	221	30-12	-	-	Outwash (?)	110.3	12-17-52	PS	T	L. T 48. Y 1,018; dd 8.3 after 31 hrs. Screened, 161.5-220 ft.
								WEST TISBURY							
2	Y 4	Ray Cottle	-	35	Du	12	24	-	-	Till	-	-	D	Su	
3	Y 4	-	-	105	Du	23	24	-	-	-	7.31	4-20-55	N	-	
7	Y 3	Arnold Fisher	-	25	Dn	23	1¼	-	-	Outwash	-	-	D	Su	Y 5.
8	Y 3	do.	-	15	Dn	18.3	1¼	-	-	do.	13.93	4-21-55	D	-	
10	Y 4	Seven Gates	-	130	Du	12.7	36	-	-	-	1.91	4-22-55	D	-	
12	Y 4	do.	-	85	Dn	6.5	1½	-	-	Outwash	.53	4-22-55	-	-	Eleven driven wells at this location. Yield of well battery 350 gpm.
22	Y 4	Alfred Churchill	1949	40	Dn	27	1¼	-	-	do.	22	-	D	-	
								NANTUCKET							
1	DD 3	U. S. Coast Guard	1933	10	Dr	301	-	-	-	-	-	-	-	-	A. L.
2	DD 3	Fred Linton	-	35	Du	36	36	-	-	Outwash	31	3- -56	D,C	-	Y 30; dd 0.7.
4	CC 3	C. G. Chappell	-	10	Dn	20	1¼	-	Sand	do.	-	-	D	-	
5-7	CC 3	J. H. Bartlett	-	20	Dn	23	2	-	-	do.	17	-	Ir	-	Y 100.
8	CC 3	do.	-	20	Du	22.9	20	-	Sand	do.	19.19	4- 5-56	N	-	
10	DD 3	Town of Nantucket	-	40	Dr	60	8	-	do.	do.	15	-	PS	T	Y 90.
12-15	EE 3	Siasconset Water Dist.	-	25	Du	22	14'	-	do.	do.	16	-	PS	Su	Y 690.
16	EE 2	U. S. Navy	-	26	Dr	85	-	-	do.	do.	-	-	D	T	Y 50.
19,20	EE 3	Robert S. Backus	-	20	Dn	48	2	-	do.	Outwash (?)	12	-	PS	Su	Y 66.
25	DD 3	Wannacommet Water Co.	1940	15	J	45	-	-	-	Outwash	-	-	T	-	A. L.
30-164	DD 3	do.	-	20	Dn	35	2	-	Sand	do.	-	-	PS	Su	Y 12-15 gpm each.
165-179	DD 3	do.	-	20	J	35	2½	-	do.	do.	-	-	PS	Su	Y 24 gpm each.
								PLYMOUTH COUNTY							
								BRIDGEWATER							
14	W 8	Mass. Dept. Pub. Wks.	-	30	J	44.5	2½	45	-	Outwash	3.3	-	T	-	L. Y 42; dd 19.
15	W 8	do.	-	70	J	49.3	2½	49.3	-	-	8.1	-	T	-	L.
17	W 8	do.	-	70	J	29	2½	29	-	Outwash	2.5	-	T	-	L. Y 25.
18	W 8	do.	-	30	J	7	2½	-	-	-	-	-	T	-	Material too hard to penetrate.
19	W 8	do.	-	60	J	47	2½	-	-	-	4.0	-	T	-	Y 110; dd 7.1 after 8 hrs.
30,31	W 8	do.	1954	12.9	Dn	15.6	1	-	-	-	3.0	7- -54	T	-	L. One of 2 borings.
32-35	W 8	do.	1938	22	Dn	39.8	1	39.8R	-	-	6.54	7- -38	T	-	L. One of 4 borings.
46-48	W 8	do.	1955	5.9	Dn	35	1	-	-	-	-	-	T	-	L. One of 3 borings.
55-63	V 8	do.	1951	77.2	Dn	28.5	1	28.5R	-	-	4.5	7- -51	T	-	L. One of 9 borings.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
						PLYMOUTH COUNTY (Continued)									
						CARVER									
1	Y 8	Andrew Griffith	-	110	Dn	25	1½	-	-	Outwash	-	-	D	Su	High iron content reported.
2	X 8	George Young	-	115	Dn	30	1½	-	-	do.	-	-	D	Su	
3	X 8	Louis Bryant	-	115	Du	25.2	18	-	-	Till	18.44	11- 9-54	D	Su	
4	X 8	Ralph Pierce	-	120	Dn	20	1¼	-	-	Outwash	-	-	D	Su	
6	X 8	Mary Alves	1927	110	Dn	30	1¼	-	-	do.	-	-	D	J	High iron content reported.
7	X 7	Francis Merritt	-	95	Du	14.3	18	-	-	do.	4.13	11- 9-54	D	-	
8	X 7	Francis Mazzilli	-	95	Du	22	24	-	-	do.	-	-	D	Su	
11	X 7	Mass.Dept.Pub.Wks.	1951	65.9	Dn	52	-	-	-	do.	4.5	5- -51	T	-	L.
15	Y 7	Winthrop Dunham	-	90	Du	15	60'x75'	-	-	do.	-	-	Ir	Su	
16	Y 7	do.	-	85	Dn	20	1¼	-	-	do.	-	-	D	Su	
17	Y 7	Erwin Washburn	-	80	Dn	20	1¼	-	-	do.	-	-	D	Su	
18	X 7	Willard R. Nye	-	80	Dr	49.4	8	-	-	do.	8.46	7-17-59	-	-	T 53. Iron staining reported.
19	X 7	Felix Heikkila	-	80	Du	7.3	-	-	-	do.	6.43	7-17-59	-	-	A. T 58. Recovery too slow to use.
20	X 7	Arvo Paananen	-	80	Dr	+50	1¼	-	-	do.	18.54	7-20-59	-	-	
21	X 7	Leonard Heikkla	1956	100	Dr	18.4	1¼	-	-	do.	8.21	7-20-59	D	DP	T 52. Iron staining reported.
22	X 7	Albino V. Canteio	-	90	Du	15.4	24	-	-	do.	12.76	7-20-59	D	-	T 55.
23	X 7	-	-	90	Du	11.3	24	-	-	do.	14.74	7-20-59	-	-	T 57.
24	X 7	-	-	80	Du	14.4	-	-	-	do.	5.45	7-17-59	-	-	
25	X 7	H. Lucille Haynes	-	100	Du-Dn	19.4	-	-	-	Till	13.85	7- 8-59	D	-	T 55. Iron staining reported.
30	Y 7	Francis Dunham	-	95	Dn	35	1¼	-	-	Outwash	-	-	D	-	Dry once in 3 yrs. 1956-59.
31	Y 7	Charles Kallio	1956	80	Du	25-30?	2½	-	Sand and gravel	do.	-	-	D	-	T 51. High iron content. C.
32	Y 7	-	-	80	Du	-	48	-	-	do.	4.33	8-26-59	N	-	A.
34	X 7	U. S. Geol. Survey	1959	85	A	57	-	-	Sand	do.	6	10- 5-59	T	-	L.
36	Y 7	do.	1959	143	A	92	-	-	Sand and fine gravel	do.	63	10- 8-59	T	-	L.
37	X 7	do.	1960	95	A	44	4½	44?	-	do.	-	-	T	-	L.
38	Y 7	do.	1960	75	A	45	4½	45?	-	do.	-	-	T	-	L.
						DUXBURY									
1	Y 9	Duxbury Fire Dist.	-	40	J	82	2½	-	-	Outwash	9.7	-54	T	-	L. Y 43; dd 1.1 after 4½ hrs.
2	Y 9	do.	-	25	Dr	40	24-12	-	-	do.	2.3	-	PS	-	GP. L.
3	Y 9	do.	-	50	J	77	2½	77R	-	do.	7.0	3- -54	T	-	L.
4	Y 9	do.	-	70	J	91	2½	91R	-	do.	17.8	-54	T	-	L. Y 4.
5	Y 9	do.	-	70	J	81.8	2½	-	-	do.	17.0	-54	T	-	L.
6	Y 9	do.	-	40	J	32	2½	-	-	do.	2.8	-54	T	-	L.
7	Y 9	do.	-	50	J	11	2½	-	-	do.	-	-	T	-	L.
9	Y 9	do.	-	80	J	38	2½	-	-	do.	4.00	-54	T	-	
13	Y 9	Robert Delano	-	100	Dn	29	1¼	-	-	do.	-	-	D	Su	High iron and hydrogen sulfide reported.
14-68	Y 9	Duxbury Fire Dist.	-	20	Dn	±30	2½	48	-	do.	0-4.5	-	PS	Su	Y 700.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
PLYMOUTH COUNTY (Continued)															
HALIFAX															
2	X 8	Fair Lea Farm	-	30	Du	13.8	36	-	-	Outwash	7.62	11- 8-54	D	Su	
6	X 8	W. A. Leonard	-	35	Dn	19	2	-	-	do.	-	-	D	Su	
8	X 8	Clark	-	35	Dn	17	2	-	-	do.	7	-	D	Su	
HANOVER															
5	X 10	Town of Hanover	1950	55	Dr	66	8	61	-	Outwash	4.8	12- 7-50	T	-	L. Y 200; dd 14.4.
6	X 10	do.	1951	55	Dr	68	8	68	-	do.	4.2	5-29-51	T	-	L. Y 360; dd 9.6. Twenty ft. of screen.
7	X 10	do.	1951	60	Dr	67	8	67	-	do.	8	5-28-51	T	-	L. T 46. Y 350; dd 4.5. Fifteen ft. of screen.
50	X 10	do.	1951	60	Dr	67	12	-	-	do.	6.8	7-22-51	PS	Su	GP. Y 795. Twenty ft. of screen. Located at site of Hanover 7.
51	X 10	do.	-	55	Dr	55	12	-	-	do.	-	-	PS	T	GP. Y 800.
52	X 10	G. J. Bertrand	-	95	Du	32.8	24	-	-	do.	19.05	11- 8-54	D	Su	
54	X 10	W. P. Beckford	-	125	Du	10.3	24	-	-	do.	5.29	11- 8-54	D	Su	
56	W 10	Everett Morse	-	130	Du	10.7	18	3	-	do.	2.2	11- 8-54	D	-	
57	W 10	do.	-	135	Du	9.7	24	10	-	do.	4.27	11- 8-54	N	-	
HINGHAM															
5-9	W 10	U. S. Navy	-	25	Dn	25	2	-	-	Outwash	-	-	C	-	Y 50.
10,11	W 10	do.	-	15	Dn	30	4	-	-	do.	-	-	C	-	Y 100.
12	X 10	Hingham Water Co.	-	30	-	19.8	-	20	-	Till	-	-	T	-	
13	X 10	do.	-	30	-	22.2	-	-	-	do.	-	-	T	-	Y 20.
15	X 10	do.	-	30	-	9.4	-	9.4	-	-	-	-	T	-	L.
16	X 10	do.	-	25	-	34.1	-	-	-	-	-	-	T	-	L.
18	X 10	do.	-	25	-	74.3	-	-	-	-	-	-	T	-	L.
22	X 10	do.	-	30	-	22	-	-	-	Outwash	-	-	T	-	L.
23	W 10	do.	-	25	-	29.3	-	-	-	do.	4.4	-	T	-	L. Y 40.
24	W 10	do.	-	25	-	65.4	-	65.4	-	do.	-	-	T	-	L.
26	W 10	do.	-	25	-	69.3	-	69.3	-	do.	-	-	T	-	L.
27	W 10	do.	-	30	-	67.6	-	67.6	-	do.	-	-	T	-	L.
28	W 10	do.	-	25	-	77	-	-	-	do.	-	-	T	-	L. Y 8.
29	W 10	do.	-	30	-	68.3	-	-	-	do.	6.1	-	T	-	L. High manganese content.
30	W 10	do.	-	30	-	70	-	-	-	do.	-	-	T	-	L.
31	W 10	do.	-	25	-	26.2	-	26.2	-	do.	9.4	-	T	-	L.
32	W 10	do.	-	30	-	21.8	-	21.8	-	do.	-	-	T	-	L.
41	W 10	do.	-	25	-	66.9	-	66.9	-	do.	7.8	-	T	-	L. Y 25.
42	W 10	do.	-	35	-	106.7	-	106.7	-	do.	-	-	T	-	L. High iron and manganese content reported in lower strata.
43	W 10	do.	-	35	-	106	-	106	-	do.	1.4	-	T	-	L. Y 160.
44	W 10	do.	-	35	Dr	86	21	-	-	do.	1.5	-	PS	T	L. GP. Y 590; dd 38.
50	X 10	Ronald Parsons	-	70	Du	17	60	-	-	do.	15	10-29-54	D	Su	
51	W 10	K. W. Blasier	-	70	Du	15.5	24	-	-	do.	11.59	10-29-54	D,N	-	
52	W 10	John T. Davenport	-	140	Dr	32	8	32	-	do.	-	-	D	Su	Y 15.
53	W 10	Warren L. Thayer	-	145	Dr	190	6	13	-	Bedrock	-	-	D	-	Y 10.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Use	Type of pump	Remarks
						PLYMOUTH COUNTY (Continued)									
						HINGHAM (Continued)									
54	W 10	Hingham Water Co.	-	30	Dr	73	24	-	-	Outwash	3	-	PS	T	Y 1,525; dd 17. GP. Test pumped at 4,340.
55-69	W 10	Mass.Dept.Pub.Wks.	1942	6.5	Dn	56.5	1	6.5R	-	do.	-	-	T	-	L. One of 15 borings.
70,71	X 10	do.	1932	15.1	Dn	12.8	1	12.8R	-	Till	-	-	T	-	L. One of 2 borings.
						KINGSTON									
8	Y 8	Town of Kingston	1945	45	Dr	87	12	-	-	Outwash	8.1	6-23-45	PS	T	GP. Y 515; dd 39. Screened from 72-87 ft.
9	Y 8	do.	1945	35	-	35	$2\frac{1}{2}$	-	-	do.	+.8	-45	T	-	L. Y 120.
10-41	Y 8	do.	-	35	Dn	30-40	$2\frac{1}{2}$	-	-	do.	+1 to -2	-	PS	Flow	Y 220.
						LAKEVILLE									
1	W 7	Luke Leonard	-	90	Du	24	24	-	-	Outwash	-	-	D	-	L.
3	W 7	Newell Wambolt	-	105	Dr	89	6	12	-	Bedrock	30	-	D	-	
5	W 7	Judson	-	100	Du	12	24	-	-	Outwash	-	-	D	Su	
6	W 7	Salmon Washburn	-	95	Du	22	30	-	-	do.	-	-	D	Su	Clay reported at bottom.
7	W 7	Robert Manning	-	75	Du	24	24	-	-	do.	-	-	D	Su	L.
9	W 7	Henry Biech	1949	100	Du	38	48	-	-	do.	-	-	D	Su	
10	W 8	Richard White	-	65	Du	38	24	-	-	do.	-	-	D	Su	
11	W 8	Emanuel Silva	-	60	Dr	85	-	-	-	Bedrock	-	-	D	-	Y 5.
13	W 7	Freetown-Lakeville Regional School	1958	110	Dr	141	6	118	-	do.	26	4-24-58	PS	-	L. Y 40.
						MARION									
3	X 6	Town of Marion	-	10	-	36	$2\frac{1}{2}$	36	-	Outwash	-	-	T	-	L. Y 25.
5	X 6	do.	-	10	-	36	$2\frac{1}{2}$	36	-	do.	-	-	T	-	L.
8	X 6	do.	-	20	-	-	$2\frac{1}{2}$	47	-	do.	-	-	T	-	L. Y 25.
9	X 6	do.	-	15	-	50.8	$2\frac{1}{2}$	50.8	-	do.	-	-	T	-	L.
14	X 6	Isaac Hathaway	-	10	Du	9.4	-	-	-	Till	4.09	9- 3-59	O	-	
15	Y 6	Parker Converse	-	10	Du	20.7	62	-	-	do.	6.81	9- 3-59	-	-	
16	X 6	Charles B. Potter	-	30	Du	18.9	-	-	-	do.	18.09	9- 3-57	-	-	A.
17	X 6	Robert Mitton	-	5	Du	6.45	108	-	-	do.	3.69	9- 3-58	-	-	A.
18	Y 6	Robert E. Briggs	1900	15	Du	17.5	24	-	-	do.	16.14	9- 4-59	O	-	
19	Y 6	Robert G. Stone	-	25	Du	9.95	116.5	-	-	do.	4.37	9- 4-59	Ir	-	Can be pumped dry in $3\frac{1}{2}$ hrs.
20	Y 6	H. C. Osborn	-	20	Dr	310	8	210	-	Bedrock	8.23	9- 4-59	-	J	A. Reported pumped fresh water for 2 wks., then brackish water.
21	Y 6	Elizabeth Fraser	-	20	Dr	125+	8	-	-	do.	15	9- 9-59	Ir	J	
23	X 6	U. S. Geol. Survey	1959	23	A	64	-	64	-	-	7	9-30-59	T	-	L.
25	X 6	do.	1960	10	A	24	$4\frac{1}{2}$	24	-	Outwash	-	-	T	-	L.
						MARSHFIELD									
22	Y 10	Mass.Dept.Pub.Wks.	-	-5.4	-	-	29.0	-	-	-	-	-	T	-	A. L.
24	Y 9	Town of Marshfield	-	35	Dn	30-35	$2\frac{1}{2}$	-	-	Outwash	-	-	PS	Su	Y 400. Battery of 50 wells.
25	Y 9	do.	-	35	Du	26.9	24	-	-	do.	+2.0	11- 2-54	-	-	

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								PLYMOUTH COUNTY (Continued)							
								MARSHFIELD (Continued)							
26	Y 9	Town of Marshfield	1944	10	Dr	56	24	-	-	Outwash	2.0	-44	PS	T	GP. Y 250.
28	Y 9	do.	-	65	Dr	97	12	-	-	do.	5.0	-	PS	T	GP. Y 800; dd 25. Test pumped at 1,200 gpm.
29	Y 9	do.	1946	50	Dr	97	12	-	-	do.	5.0	-46	PS	T	GP. Y 800; dd 25.
								MATTAPOISETT							
1-20	X 6	Fairhaven Water Co.	1893	10	Dn	30	2½	-	-	Outwash	-	-	PS	Su	Y 485. Open end.
21-51	X 6	do.	1901	15	Dn	30	2½	-	-	do.	-	-	PS	Su	Y 540. Open end.
53-58	X 6	do.	1901	10	-	20	2½	-	-	do.	-	-	PS	Su	
59	X 6	Town of Mattapoisett	1952	20	Dr	70	48-24	-	-	do.	4	11-13-52	PS	T	GP. L. Y 650.
63	X 6	do.	-	20	-	30.7	2½	-	-	Till	-	-	T	-	L.
65	X 6	do.	-	15	-	25.3	2½	-	-	Outwash	-	-	T	-	L. Y 120.
67	X 6	Leonard Randall	1940	35	Dr	86	6	26	-	Bedrock	-	-	D,S	J	C. T 49.
68	X 6	Preston Valley	-	55	Dr	112	6	25	-	do.	20	-	D	J	Y 2½.
69	X 6	Ingarth Svendsen	-	50	Dr	116	6	6	-	do.	-	-	D	J	Y 10.
70	X 6	Jerry Rondall	-	45	Du	7.65	36	-	-	Till	1.91	6-18-59	O	-	
71	X 6	Mrs. Charles Austin	-	15	Du	11.58	30	-	Sand	-	8.95	6-18-59	O	-	
74	X 6	Joseph Barbosa	-	35	Dr	53	6	-	-	Bedrock	17-18	8- 5-59	D	J	A.
78	X 6	Francis Silvaria	1938	70	Du	20.4	24	-	Sand	Till	11.93	8- 6-59	-	-	A.
81	X 6	Caton Aiello	-	70	Du	13.4	18	-	-	do.	9.07	8- 8-59	-	-	A.
82	X 6	Lawrence Green	-	15	Du	10.2	36	-	-	-	5.19	8-27-59	-	-	A.
86	X 6	Emmanuel Grace	-	51	Du	17.8	24	-	-	Till	11.71	9- 3-59	D	-	
87	X 6	-	-	-	Du	12.6	-	-	-	do.	9.24	9- 3-59	-	-	A.
88	X 6	U. S. Geol. Survey	1959	28	A	7	-	7R	Sand and gravel	Outwash	4	9-28-59	T	-	L.
89	X 6	do.	1959	30	A	28	-	28R	Coarse sand	do.	9	9-29-59	T	-	L.
								MIDDLEBOROUGH							
1	W 8	Mrs. Leon Townsend	1936	85	Du	34.4	24	10	-	Bedrock	14.53	2- 4-39	D,N	-	Observation well, 1939-40.
2	W 8	Nemasket Spring Co.	-	70	Dr	110	6	-	-	do.	18	-	C	-	Y 43.
3	W 8	Harold White	-	60	Dr	88	6	20	-	do.	-	-	D	J	Y 3.
5	W 8	Newell Walker	-	55	Du	24	48	-	-	Outwash	-	-	D	-	
6	W 8	W. W. Burroughs	-	30	Dr	250	8	100	-	Bedrock	Flowing	9-24-54	D	-	Y 17. Flowing yield, 1 gpm. Owner reported 100 ft. of clay overlying bedrock.
7	W 8	Harrison Newcomb	-	45	Du	18.5	24	-	-	Outwash	5.97	9-24-54	D	-	
8	W 8	Julius Hill	-	25	Dr	150	6	84	-	Bedrock	10	-53	D	J	L. Y 10.
9	W 8	Joseph E. Gilchrist	-	65	Dr	110	6	28	-	do.	8	-	D	J	Y 2½. Surficial material, till.
10	W 8	Foster Jackson	-	65	Dn	20	1¼	-	-	Outwash	-	-	D	Su	
11	W 8	Burke	-	95	Du	28	24	-	-	Till	-	-	D	Su	
12	W 8	Joseph A. Walker	-	65	Du	22	30	-	-	Till (?)	-	-	D	Su	
13	W 8	Town of Middleborough	-	60	-	43.5	2½	-	-	Outwash	-	-	T	-	L. Y 50.
14	W 8	do.	-	50	-	57.7	2½	57.7	-	do.	-	-	T	-	L.
15	W 8	do.	-	40	-	41.6	2½	41.6	-	do.	-	-	T	-	L. Y 28; dd 3.8.
16	W 8	do.	-	55	Du	22	25'	-	-	do.	-	-	PS	-	High iron and manganese content.
17	X 8	Harrison Goddard	-	100	Dn	27	1¼	-	-	do.	15	-	D	J	Y 10.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
					PLYMOUTH COUNTY (Continued)										
					MIDDLEBOROUGH (Continued)										
18	X 8	Richard MacNeil	-	90	Du	25	30	-	-	Outwash	-	-	D	Su	
19	X 8	A. M. Barney	-	45	Dn	24	-	-	-	do.	-	-	D	Su	
21	X 7	Fred Russel	-	120	Du	28	36	-	-	Till	-	-	D	Su	
23	X 7	Jesse Motta	-	105	Dr	22	-	5	-	Bedrock	-	-	D	Su	Flows during wet periods, especially in winter.
25	X 7	Mary Kumpuen	-	85	Dn	19	-	-	-	Outwash	-	-	D	Su	
26	X 7	Alma Parkkonen	-	80	Du	30	30	-	-	do.	-	-	D	Su	
30	X 7	Town of Middleborough	-	90	-	44.2	2½	44.2	-	do.	-	-	T	-	L. Y 55.
33	X 7	do.	-	85	-	49	2½	-	-	do.	-	-	T	-	L. Y 5.
34	X 7	do.	1948	80	Dr	47	60	49	-	do.	-	-	PS	T	GP. Y 245; dd 8.
35	X 7	do.	1948	80	Dr	47	60	49	-	do.	-	-	PS	T	Do.
55	X 7	Malcolm Cook	-	150	-	39	36	-	-	Till	19.25	7- 8-59	-	-	
56	X 7	do.	1958	111	Dn	-	-	-	-	do.	-	-	D	J	C. T 49.
62	X 7	Oscar Westgate	-	80	Du	14.7	24	-	-	-	8.00	7- 9-59	O	-	T 56.
66	X 7	Emmanuel Barbosa	-	90	Du	10.4	36	-	-	Outwash	6.58	7-23-59	D	-	
67	X 7	Joseph Gendron	1809	90	Du	22	40	-	-	Till	-	-	D,S	DP	Reported very hard; iron staining.
68	X 7	Alex Zabriskie	-	90	Du	21.3	36	-	-	do.	17.16	8-18-59	D,S	DP	Reported soft.
69	X 7	Edwin Wickham	1956	80	Dr	86	6	-	-	Bedrock	20	9- -56	D	J	
70	X 7	U. S. Geol. Survey	1959	77	A	55	4½	55	-	Outwash	22	10- 2-59	T	-	
71	X 7	do.	1960	95	A	39	4½	39	-	do.	-	-	T	-	
74	X 7	do.	1960	91	A	6	4½	6	-	do.	-	-	T	-	
75	X 7	do.	1960	91	A	6½	4½	6	-	do.	-	-	T	-	
76	X 7	do.	1960	125	A	7	4½	7	-	do.	-	-	T	-	
77	X 7	do.	1960	120	A	7	4½	7	-	do.	-	-	T	-	
78	X 7	Edward Tomasik	1900	110	Du	18.6	36	-	-	-	6.95	3-22-61	D	J	L. T 43.5.
79	X 7	Mrs. J. M. Read	1949	105	Dr	260	6	5	-	Bedrock	8	Fall -52	D	J	
80	X 7	E. A. Sisson	1949	123	Dr	186	6	32	-	do.	-	-	C	-	Y 1 3/4. Originally dug to 30 ft. in "hardpan"; water-bearing at 12 ft. and 30 ft.
							NORWELL								
3	X 10	Chester A. Bell	-	110	Du	14.8	48	-	-	Outwash	3.78	11- 4-54	D	Su	
4	X 10	Rose Halloran	-	90	Dr	285	6	132	-	Bedrock	-	-	D	T	Y 7½.
5	X 10	Seth Carey	-	110	Du	11.6	18	-	-	-	4.98	11- 4-54	D	Su	
6	X 10	Leo Carl	-	115	Du	15.5	24	-	-	-	9.30	11- 4-54	N	-	
7	X 10	do.	-	104	Du	7.4	18	-	-	-	.28	11- 4-54	D	-	
8	X 10	Earl Merrifield	-	145	Du	35	24	-	-	Outwash	29.41	11- 4-54	D	Su	
9	X 10	Fred Fredrickson	-	132	Du	30.3	18	-	-	do.	7.36	11- 4-54	D	-	
10	X 10	do.	-	145	Du	21.6	24	-	-	do.	12.45	11- 4-54	D	-	
11	X 10	Banks	1954	150	Dr	97	6	60	-	Bedrock	-	-	D	-	Y 1. Well being drilled.
12	X 10	Lora Thomas	-	135	Du	30	24	-	-	Outwash	-	-	D	-	
13	X 10	-	-	80	Du	36	-	-	-	do.	21	6- -55	D	-	L.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
						PLYMOUTH COUNTY (Continued)									
						PLYMOUTH									
2	Z 8	The Mariner	-	275	Dr	310	8	-	-	Outwash	-	-	PS	DP	
3	Z 8	Town of Plymouth	-	25	Dr	100	18	-	-	do.	4	10-26-46	PS	T	GP. Y 860; dd 39 after 191 hrs. Twenty six and one half ft. of screen.
4	Y 8	W. S. Raymond	-	120	Dn	38	1½	-	-	do.	-	-	D	Su	
5	Y 8	Town of Plymouth	-	100	J	65	21	65	-	do.	6.6	-51	T	-	L. Y 30; dd 1.3.
6	Y 8	do.	-	50	J	47	2½	47	-	do.	-	-	T	-	L. Y 60; dd 1.3.
7	Y 8	Frank Thomas	-	150	Dn	47	2	-	-	do.	41	-	D	J	
8	Y 8	John Barengo	-	185	Dr	86	6	-	-	do.	-	-	D	DP	
13	Y 8	Bob Bowler	-	190	Dr	120	8	-	-	do.	-	-	D	J	
15	Y 8	Town of Plymouth	-	90	Dr	130	24-18	-	-	do.	9	8- -53	PS	-	GP. L. Y 1,000; dd 42 after 168 hrs.
17	Z 7	Paul Shaw	-	60	Dn	20	2	-	-	do.	-	-	D	Su	Supplies 3 families.
18	Z 7	Frank Zinkewich	1953	100	Dr	170	6	-	-	-	99	-53	PS	T	
21	Y 8	Plymouth Airport	1955	145	Dn	25.5	1½	-	-	Outwash	23.77	10-31-55	PS	Su	
22	Y 8	U. S. Geol. Survey	1956	145	A-Dn	42.0	1¼	-	-	do.	24.82	11- 5-56	O	-	L. Observation well since 1956.
23	Y 7	William Ramsey	1959	90	Dn	33	1¼	-	-	do.	-	-	D	H	
24	Y 7	Harold C. Blood	1956	70	Dn	30	1¼	-	-	do.	28.5	-56	D	-	Used in summer only.
25	Y 7	State of Mass.	-	80	Dn	26-28	2	-	Sand	do.	16	4- -57	PS	DP	Average 4,500 gpd for public beach supply.
26	Y 7	Squanto Council Inc.: Boy Scouts of Am.	-	75	Dn	18	4	-	do.	do.	-	-	PS	-	Supplies 200 for 6 wks. in summer.
27	Y 7	A. D. Makepeace Co.	-	80	Dn	14.2	1¼	-	-	do.	11.27	8-26-59	O		
28	Y 7	Standish State Forest	-	100	Dn	20	1¼	-	-	do.	3.21	9-16-59	PS	H	Used by campers in summer.
29	Y 7	U. S. Geol. Survey	1959	95	A	92	1¼	-	Medium-coarse sand	do.	25.02	1- 5-60	O,T	-	L. Test hole 92 ft. deep, filled and cased to 29.5.
30	Y 7	do.	1959	105	A	72	-	-	-	do.	32	10- 7-59	T	-	L.
31	Y 7	do.	1959	120	A	92	-	-	Coarse sand	do.	47	10- 8-59	T	-	L.
32	Y 7	do.	1959	180	A	92	-	-	-	do.	dry	10- 8-59	T	-	L.
33	Y 7	do.	1959	105	A	77	-	-	Sand	do.	60	10- 6-59	T	-	L.
34	Y 7	do.	1959	95	A	77	-	-	-	do.	45-50	10- 6-59	T	-	L.
35	Y 7	S. L. Sherman	-	100	Dn	20	1¼	-	-	do.	-	-	D	H	C.
36	Y 7	-	-	75	Dn	-	1¼	-	-	do.	-	-	D	H	C. T 44.
37	Y 7	U. S. Geol. Survey	1960	90	A	133	4½	-	-	do.	-	-	T	-	L.
38	Y 7	do.	1960	98	A	133	4½	-	-	do.	-	-	T	-	L.
39	Y 7	do.	1959	86	A	72	-	-	-	do.	23	10- 7-59	T	-	L.
						PLYMPTON									
1	X 8	Plympton Pub. Library	1951	95	Dr	100	6	46	-	Bedrock	20	12- -51	PS	-	Y 4½.
2	X 8	Robert Anderson	-	55	Du	11.5	24	-	-	Till	2.97	11- 9-54	D	Su	Goes dry in summer.
3	X 8	Joseph True	-	100	Du	16.0	24	-	-	Outwash	13.53	11- 9-54	D	Su	
4	X 8	Paul McAlinden	-	50	Dr	121	6	-	-	Bedrock	-	-	D	J	Drilled in dug well, 14 ft. deep.
5	X 8	Ralph McIlvana	-	90	Dr	36	6	30	-	do.	-	-	D	Su	Y 25.
6	X 8	do.	-	85	Dn	10	2	-	-	-	-	-	D	Su	
7	X 8	Angus	-	45	Du	18	24	18	-	Bedrock	-	-	D	Su	
9-12	X 8	Mass. Dept. Pub. Wks.	1954	74.5	Dn	17.2	-	17.2	-	do.	5.7	1- -54	T	-	A. L. One of 4 borings.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
PLYMOUTH COUNTY (Continued)															
ROCHESTER															
1	W 7	George Sousa	-	145	Dr	195	-	95	-	Bedrock	-	-	D	-	Y 2½.
2	W 7	Joseph Simmons	1911	90	Du	45	24	30	-	do.	-	-	D	DP	
8	X 6	William Dawes	-	65	Dr	65	6	28	-	do.	-	-	D	-	
9	X 6	Carl Taber	-	40	Du	27	24	-	-	Outwash	-	-	D	Su	
10	X 6	Frank Rytelewski	-	35	Dr	85	6	20	-	Bedrock	15	-	D	-	
11	X 6	Eliot Saunders	-	50	Du	14.2	18	-	-	Till	4.57	9-29-54	D	Su	
15	X 7	Town of Marion	1947	70	-	6	-	6	-	Outwash	-	-	T	-	A. L.
17	X 7	do.	1947	65	-	69.6	-	69.6	-	do.	-	-	T	-	A. L.
20	X 6	do.	1947	30	-	45.8	-	45.8	-	do.	1.8	-	T	-	L. Y 40; dd 2.3.
22	X 6	do.	1947	35	-	43.9	-	43.9	-	do.	2.4	-	T	-	A. L. Y 30; dd 7.3.
24	X 6	do.	1947	15	-	51.0	-	51.0	-	do.	-	-	T	-	A. L.
27	X 6	do.	1947	15	-	29.3	-	29.3	-	do.	-	-	T	-	A. L.
30	X 6	do.	1947	15	-	39.0	-	39.0	-	do.	-	-	T	-	A. L.
53	X 6	do.	1947	20	-	55	-	55	-	do.	-	-	T	-	L.
72	X 6	do.	-	20	Dr	31	-	-	-	do.	-	-	PS	T	GP. L. T 48. Y 350.
73	X 6	do.	-	20	Dr	28	-	-	-	do.	-	-	PS	T	GP. L. T 48. Y 450.
74	X 7	Anna Tavares	-	40	Dn	18	3	-	-	do.	-	-	-	Su	High iron content reported.
75	X 7	B. B. French	-	70	Dr	118	6	-	-	Bedrock	-	-	D	-	
76	X 7	Walter Denham	-	75	Du	24	36	-	-	Till	-	-	D	Su	High iron content reported.
78	X 7	U. S. Geol. Survey	1958	70	Dn	35	1¼	-	Coarse sand	Outwash	12.31	8-19-58	-	-	A. L. T 48. Y 50.
80	X 6	St. Joseph's Church	-	53	Du	14.63	24	-	-	-	3.72	6-23-59	O	-	C.
82	X 7	George E. Leach	1958	45	Dn	-	1¼	-	Sand	Outwash	15	-	D	-	T 54. Iron stain.
83	X 7	do.	-	45	Du	10.6	36	-	-	do.	6.30	7-15-59	O	-	C. T 54.
84	X 7	Irene George	-	45	Du	26	30	-	-	do.	22.22	7-15-59	D	-	
88	X 6	Hartley Saw Mill	-	40	Du	17.3	30	-	-	-	7.49	7-30-59	-	DP	A. Iron stain reported.
89	X 6	Edward Kucharski	-	70	Dr	77	6	12	-	Bedrock	6.60	8- 4-59	D	J	Reported 7 gpm.
95	X 6	Gerard Chase	1957	50	Dr	56	6	-	-	do.	9.55	8- 5-59	D	DP	
96	X 7	Maurice Fuller, Jr.	-	85	Du	16	30	-	-	-	8.81	8-18-59	D	-	Dry 5 times 1920-1959.
97	X 7	Maurice Fuller, Sr.	1760	100	Du	35	30	-	-	Till	22.61	3-22-61	D	J	C.
101	X 7	U. S. Geol. Survey	1959	88	A	7	4½	7R	-	do.	-	-	T	-	L.
102	X 7	do.	1959	65	A	6	4½	6R	-	do.	-	-	T	-	L.
103	X 7	do.	1959	53	A	13	4½	13?	Sand	do.	-	-	T	-	L.
104	X 6	do.	1959	35	A	27	4½	27R	do.	Outwash	5	9-28-59	T	-	L.
105	X 6	do.	1959	50	A	47	4½	47R	Gravel	do.	15	9-28-59	T	-	L.
106	X 6	do.	1959	23	A	35	4½	35R	-	-	5	9-29-59	T	-	L.
107	X 7	do.	1959	85	A	72	4½	72	-	Outwash	37	10- 2-59	T	-	L.
108	X 7	do.	1960	56	A	35	4½	35?	-	do.	11	10-14-60	T	-	L.
109	X 7	do.	1960	82	A	32	4½	32?	-	do.	-	-	T	-	L.
110	X 7	do.	1960	72	A	11	4½	11R	-	Till	-	-	T	-	L.
111	X 7	do.	1960	72	A	26	4½	-	-	do.	-	-	T	-	L.
112	X 7	do.	1960	65	A	57	4½	57?	-	Outwash	-	-	T	-	L.
113	X 7	do.	1960	61	A	24	4½	24?	-	do.	-	-	T	-	L.
114	X 7	do.	1960	69	A	81	4½	81	-	do.	-	-	T	-	L.
119	X 6	do.	1960	41	A	48	4½	48?	-	do.	-	-	T	-	L.
120	X 6	do.	1960	17	A	44	4½	44?	-	-	-	-	T	-	L.
147	X 7	do.	1958	80	Dr	92.6	2½	88.6	-	Bedrock	22.37	8-13-58	T	-	L. Y 5.
ROCKLAND															
21	W 10	Towns of Abington and Rockland	1953	115	Dn	41	2½	41R	-	Outwash	-	-	T	-	A. L. Y 35.
36	W 10	do.	1953	135	Dn	49	2½	49R	-	do.	2.8	-53	T	-	L. Y 25.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								PLYMOUTH COUNTY (Continued)							
								SCITUATE							
9	Y 10	Mass.Dept.Pub.Wks.	1941	-1.7	Dn	46.0	-	46	-	-	-	-	T	-	A. L.
10	X 10	Town of Scituate	1931	10	Dr	70	30-16	70	-	Outwash	+13	-31	PS	T	GP. L. Y 185. Fifteen ft. of screen. Flows when pump is off. Pumping water level, 53 ft. below land surface.
11	X 10	do.	1932	10	Dr	119	36-18-12	-	-	do.	Flowing	-	PS	T	L. GP. Y 140. Pumping water level, 40 ft. below land surface.
12	X 10	do.	-	10	Dr	60	18	-	-	do.	-	-	PS	T	L. GP. Y 150. Eighteen ft. of screen. Contains hydrogen sulfide. Emergency use only.
13	X 10	do.	1944	50	Dr	72	24	-	-	do.	1	-44	PS	T	L. Y 350; dd 48. GP.
14	X 10	do.	-	15	Dr	19.5	16	-	-	-	0	-	PS	T	L. Y 135. GP. Eight ft. of screen. Land surface now 6 ft. above original land surface.
17	X 10	do.	1954	55	Dr	95	8	95	-	Outwash	+1.65	11- 2-54	T	-	L.
20	X 10	Frank Ainslie	-	110	Du	17.4	20	-	-	do.	12.57	11- 4-54	D	B	
21	Y 10	Town of Scituate	-	25	Dn	67	$2\frac{1}{2}$	-	-	-	-	-	T	-	L.
24	Y 10	do.	-	30	Du	20	20'	-	-	-	Flowing	-	PS	Su	Y 42. Flowing yield 24 gpm.
25	Y 10	do.	-	25	Dn	45-47	$2\frac{1}{2}$	-	-	-	Flowing	-	PS	Su	Y 100. Battery of 40 wells.
26	Y 10	do.	-	5	Dr	62	16	-	-	Outwash	2	-	PS	T	L. GP. Y 190. Ten ft. of screen.
27	Y 10	do.	-	45	Dr	49	24	-	-	do.	5	-	PS	T	L. GP. Y 350; dd 23. Well was test pumped at 700 gpm. Twenty ft. of screen.
								WAREHAM							
25	X 6	Frank Pajunen	-	15	Du	16	24	-	-	Outwash	-	-	D	Su	
26	X 6	Charles Perry	-	20	Du	12	24	-	-	do.	-	-	D	Su	Owner reports 65 ft. of sand at this location.
28	X 7	Aldo Guersoni	-	50	Du	17	30	-	-	do.	-	-	D	-	High iron content.
29	X 7	White	-	60	Du	18	30	-	-	Till	-	-	D	Su	
30	Y 7	Harry Grages	-	85	Dn	60	$2\frac{1}{2}$	-	-	Outwash	-	-	D	J	
31	Y 7	Wareham Fire Dist.	-	20	-	28	-	-	-	do.	-	-	PS	-	
32	Y 7	Mrs. Jona Blondin	-	55	Dn	22	2	-	-	do.	-	-	D	Su	
36	Y 7	Harmon C. Howe	-	60	Dr	53	6	-	-	Bedrock	-	-	D	-	
37	Y 7	Onset Fire Dist.	-	10	Dr	70?	24	-	-	Outwash	12.5	4-27-54	PS	T	GP. Y 570; dd 9.5.
38	Y 7	do.	-	10	Dr	67.1	8	-	-	do.	2	-	T	-	L.
40	Y 7	Eugene Tavares	1959	20	Dn	25	$1\frac{1}{4}$	-	Sand	do.	19	6- -59	D	-	C. T 52.
41	Y 7	Anna Linden	1914	20	Du	125	-	-	-	-	10.81	7-10-59	-	-	T 55. Iron stain reported.
42	Y 6	Alexander Whiteside	1893	30	Du	34.1	36	-	-	-	27.30	7-10-59	D	-	T 49.
43	Y 6	Stephen Winship	1900	10	Du	26.9	48	-	-	-	23.17	7-10-59	D	DP	T 50. Slight iron stain reported.
44	Y 6	George Griffith	1900	15	Du	18.9	36	-	-	Outwash	12.42	7-14-59	D	-	C.

Table 2.--Records of selected wells and test holes in southeastern Massachusetts--Continued

Well no.	Location	Owner or user	Year completed	Altitude of land-surface datum (feet)	Type of well	Depth of well (feet)	Diameter of well (inches)	Depth to bedrock or refusal (feet)	Principal water-bearing material: Character	Principal water-bearing material: Geologic unit	Water: Level	Water: Date of measurement	Water: Use	Type of pump	Remarks
								PLYMOUTH COUNTY (Continued)							
								WAREHAM (Continued)							
45	Y 6	James Bangs	-	20	Du	19.25	-	-	-	Till	13.38	7-14-59	D	-	
46	X 7	John T. Berriault	-	70	Dn	-	2½	-	-	Outwash	-	-	D	-	Reported iron stain, mineral taste, slight odor.
47	X 7	Eva Grassi	-	60	Du	21.6	24	-	-	do.	16.14	7-15-59	D	-	T 52. Iron stain reported.
48	X 7	Mrs. Victor Haarala	-	50	Du	17.8	24	-	-	do.	14.09	7-15-59	D	-	
49	Y 7	Herbert A. Fisk	-	25	Du	18.0	-	-	-	do.	13.67	7-14-59	-	-	A.
50	Y 7	Julius Babbitt	-	15	Du	14.2	36	-	-	Till	13.55	7-15-59	-	-	
51	Y 7	Thomas B. Rogers	1919	20	Du	15	30	-	Sand	Outwash	6.59	7-16-59	O	-	T 57.
55	Y 7	James R. Lincoln	-	85	Du	32.6	36	-	-	Till	17.59	7-20-59	-	-	T 55. Slight iron stain reported.
58	Y 6	B. G. Waters	-	5	Dn	23	1¼	-	-	Outwash	-	-	D	-	Heavy iron reported. Used in summer only.
60	Y 6	Mrs. Grafton Fay	-	10	Du	13.5	3	-	-	Till	3.95	8-26-59	PS	DP	Supplies 16 houses during summer.
61	Y 6	Allan P. Locke	1940	10	Dn	18	1¼	-	-	Outwash	-	-	-	DP	Water becomes brackish when well points are driven deeper.
62	Y 7	U. S. Geol. Survey	1959	47	A	82	1¼	-	-	do.	12.98	1- 5-60	O	-	L.
63	X 7	do.	1959	73	A	29	-	29	-	do.	dry	9-30-59	T	-	L.
64	X 7	do.	1959	70	A	15	-	15	-	do.	dry	9-30-59	T	-	L.
65	X 7	do.	1959	47	A	52	-	52	-	do.	20	10- 1-59	T	-	L.
66	X 7	do.	1959	58	A	14	-	14R	-	do.	4 or 5	10- 1-59	T	-	L.
67	X 7	do.	1959	23	A	49	-	49	Sand	do.	10	10- 1-59	T	-	L.
68	Y 6	do.	1959	22	A	77	-	-	do.	do.	34	10- 5-59	T	-	L.
69	Y 7	do.	1959	27	A	77	-	-	-	do.	14	10- 6-59	T	-	L.
70	Y 7	do.	1959	55	A	70	-	70	Sand and gravel	do.	22	10- 6-59	T	-	L.
73	Y 7	do.	1959	60	A	72	-	-	Sand	do.	31	10- 6-59	T	-	L.
74	Y 7	do.	1959	80	A	72	-	-	Fine sand	do.	35	10- 7-59	T	-	L.
75	X 7	do.	1960	78	A	14	4½	14?	-	do.	-	-	T	-	L.
77	X 6	do.	1960	16	A	37.5	4½	37.5?	-	do.	-	-	T	-	L.
79	Y 7	do.	1960	25	A	67	4½	67	-	do.	-	-	T	-	L.
80	Y 7	do.	1960	45	A	79	4½	79	-	do.	-	-	T	-	L.
81	Y 7	do.	1960	70	A	63	4½	63?	-	do.	-	-	T	-	L.
82	Y 7	do.	1960	85	A	14	4½	14	-	do.	-	-	T	-	L.
83	Y 6	Louise Barrett	-	10	Dn	-	6	-	-	Till	8.86	9-10-59	-	-	A.
84	Y 7	George Lent	1960	75	Dn	33	2½	-	Sand	Outwash	30	9- -60	D	-	T 53. C.
88	X 7	Walter Barnes	1961	30	Dr	100	8	-	-	Bedrock	-	-	D	-	
89	Y 7	Wareham Fire Dist.	1956	21	Dr	55	24?	-	Sand and gravel	Outwash	-	-	PS	T	Y 650; dd 8-9 after 168 hrs. GP. Twenty four in. screen bottom 20-22 ft.
90	Y 7	do.	1956	17	Dr	55	24?	-	do.	do.	-	-	N	T	Do.
								WEST BRIDGEWATER							
15	V 8	Walter Peterson	1950	70	Du	10	48	10	-	Till(?)	1	1-25-50	N	-	
16	V 8	Howard Briggs	1950	75	Dr	67	6	17	-	Bedrock	17	12- -49	D	J	Y 6. 15 ft. dug well nearby goes dry.

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts
(Thicknesses and depths below land surface are given in feet)

BARNSTABLE COUNTY

	Thickness	Depth
BARNSTABLE 57. Alt. 35 ft.		
Hardpan, gravelly	15	15
Gravel	46	61
Clay	below	61
BARNSTABLE 81. Alt. 50 ft.		
Sand	30	30
Hardpan	10	40
Gravel	7	47
BARNSTABLE 107. Alt. 9 ft.		
Peat	3-10	3-10
Sand	40-47	50
Clay	at	50
BARNSTABLE 179. Alt. 35.		
Sand and gravel	14.6	14.6
Sand, medium	10.5	25.1
Sand, fine	10.9	36
Sand, fine; little clay	16	52
Sand, fine	2	54
Clay, pure	5	59
Sand, medium	11	70
Sand, fine; and clay	35	105
BARNSTABLE 197. Alt. 179.9.		
Loam, sand, fine and gravel	0.5	0.5
Sand, medium, gravel and boulders	41.5	42
Sand, fine, hard, gravel and boulders	8	50
Sand, fine, compact, hard, and fine gravel	8	58
BARNSTABLE 224. Alt. 20 ft.		
Sand, iron stained; and fine gravel	27	27
Silt, clay, and sand; appears as clay	1	28
Sand, iron stained; and fine gravel	6	34
Sand, white, quartz; a few rock particles; all coarse or larger	6	40
BARNSTABLE 228. Alt. 40.5.		
Gravel, fine; some clay	10	10
Sand, medium; some clay	20	30
Gravel, medium; some traces of clay	27	57
Sand, fine	5	62
BARNSTABLE 230. Alt. 40 ft.		
Sand, medium to coarse, gravel	5	5
Sand, coarse, gravel, fine	2	7
Gravel, coarse, rounded; some fine to coarse-grained sand	1	8
Sand, coarse, moderately sorted, with sparse fine gravel	8	16
Sand, medium to coarse, well sorted, subrounded to rounded	27	43
BARNSTABLE 238. Alt. 91.2.		
Sand, gravel, trace of clay	6	6
Sand, very fine, coarse clay	5	11
Sand, compact, gravel, and little clay	9	20
Sand, fine, some coarse gravel	5	25
Sand, fine, compact, some gravel, and little clay	5	30
BARNSTABLE 245. Alt. 114.		
Clay, sand, fine, some loam	3.2	3.2
Sand, compact, gravel, some clay	3.8	7
Sand, fine, little clay	10	17
Sand, fine, compact, some clay	16	33
Sand, very fine, compact, some clay	6	39
BARNSTABLE 247. Alt. 50 ft.		
Sand, medium to coarse, some gravel	52	52
BOURNE 1. Alt. 20 ft.		
Soil	2	2
Sand, coarse	68	70
Sand, fine	27	97
BOURNE 12. Alt. 10 ft.		
Clay; and fine sand	18	18
Sand, coarse	18	36
Sand and gravel	11	47
BOURNE 27. Alt. 73 ft.		
Mud	4	4
Coarse sand, small gravel	11.8	15.8
Medium-coarse sand, small gravel	15.2	31.0
Rusty sand, small gravel	12.4	43.4
Medium-coarse sand, small gravel	47.1	90.5
Coarse sand, small gravel	9.6	100.1
BOURNE 76. Alt. mean sea level.		
Sand, fine, gravel (canal bottom)	0	0
Sand, fine, mud, seaweed turf, gravel	5	5
Sand, fine	5	10
Sand, fine, medium	5	15
Sand, mixed, gravel	5	20
Sand, fine, gravel	10	30
Sand, mixed, gravel	5	35
Sand, mixed, gravel, clay	10	45
Sand, mixed, gravel	15	60
Sand, medium to coarse, and gravel	5	65
Sand, medium, and coarse gravel, clay	10	75
Sand, mixed, gravel, clay	5	80
Sand, medium to coarse, gravel	10	90
Sand, fine to medium, gravel	5	95
Sand, mixed, gravel	5	100
BOURNE 80. Alt. 10 ft.		
Sand, fine	20	20
Stones	1	21
Sand, coarse; and gravel	7	28
Stones	2	30
Sand, coarse	20	50
Sand, coarse; gravel; and stones	5	55
Sand, coarse; and stones	5	60
Stones	2	62
Stones, small; coarse sand; and gravel	13	75
Sand, fine; and gravel	10	85
Sand, fine	5	90
Sand and gravel	5	95
Sand, fine	5	100
Sand, coarse; gravel; and large stones	10	110
Sand, fine	0.2	110.2
Sand, coarse; and stones	4.6	114.8
Sand, fine	0.2	115
Sand, coarse; and gravel	3	118
Bedrock, blue	2	120
BOURNE 107. Alt. 20 ft.		
Sand and gravel	30	30
Sand, fine to medium	20	50
Sand, coarse; and gravel	5	55
Sand, medium	5	60
Sand and gravel	5	65
Sand, medium	5	70
Sand, mixed	15	85
Sand, medium; and gravel	30	115
Sand, coarse; and gravel	10	125
Sand, fine	3	128
BOURNE 125. Alt. 21.0 ft.		
Topsoil	1	1
Sand, loam, and gravel	2.5	3.5
Sand, clay, and gravel	5.9	9.4
Sand, fine	9	18.4
Sand, coarse; boulders	4.9	23.3
Sand, medium	5	28.3
Sand, fine	6	34.3
Sand, coarse	4.9	39.2
BOURNE 198. Alt. 60 ft.		
Sand, mainly quartz, mainly medium, slightly to moderately rounded, some fine to medium rounded gravel	10	10
Cobbles or coarse gravel	1	11
Mainly medium sand, moderately rounded to well rounded	6.5	17.5
Coarse cobbles and gravel	1	18.5
Mainly medium sand, some coarse, angular to slightly rounded grains, some fine and medium gravel	2.5	21
Sand, fine to coarse, slightly rounded to angular; gravel, fine to coarse, few cobbles.	1	22
Mainly fine to medium quartz sand, angular to slightly rounded, some fine gravel	11	33
BOURNE 198.--Continued		
Mainly fine and medium sand, scattered cobbles and fine and medium angular gravel	9	42
BREWSTER 4. Alt. 30 ft.		
Clay, sand, and gravel	15	15
Sand, fine; some gravel	7	22
Sand, coarse	11	33
Sand; some gravel	4	37
Sand, red, fine; and gravel; trace of clay	6	43
Sand, red, fine; gravel; and clay	4	47
BREWSTER 21. Alt. 30 ft.		
Soil zone	1	1
Sand, medium, brown, well sorted, scattered coarse gravel	4	5
Sand, coarse, gravel layer at 6, sand, coarse, with finer and coarser grains, brown to reddish, well sorted	5	10
Sand, coarse, brown, well sorted, wet	5	15
Sand, coarse, brown, well sorted	3	18
Gravel, fine, brown to tan, well sorted, clean	7	25
BREWSTER 22. Alt. 40 ft.		
Sand, fine to coarse	5	5
Sand, medium to coarse, some gravel, brown	47	52
BREWSTER 23. Alt. about 70 ft.		
Sand, fine to very coarse, yellowish brown; scattered gravel layers	120	120
Sand, fine to very coarse, gray; scattered gravel layers	69	189
Pebbles, very small; silty clay; scattered sand layers.	86	275
Sand, very fine to very coarse; gravel layers	140	415
Till	18	433
Quartz, biotite gneiss	567	1000
CHATHAM 82. Alt. 35 ft.		
Basement	7	7
Sand	30	37
Clay and quicksand	30	67
Sand	8	75
CHATHAM 138. Alt. 40 ft.		
Sand, medium to coarse, brown, some gravel	40	40
Silty clay	5	45
DENNIS 5. Alt. 30 ft.		
Sand, fine; and gravel	24	24
Clay and boulders	8	32
Sand and gravel	10	42
Clay	0.9	42.9
DENNIS 15. Alt. 5 ft.		
Sand	55	55
Hardpan (clay)	10	65
Sand	15	80
Clay	17	97
Hardpan	16	113
Clay	237	350
Sand, very fine	30	380
DENNIS 20. Alt. 6.5 ft.		
Sand, fill	5	5
Peat	2	7
Sand, coarse, hard, yellow, with fine gravel	10.5	17.5
Sand, coarse, firm	11.5	29
Sand, coarse, gray, firm	6.5	35.5
Sand, fine, hard, blue, little clay	18	53.5
Sand, fine, hard, blue	19.5	73
DENNIS 27. Alt. 2.0. ft.		
Sand and gravel, some very coarse gravel	11.9	11.9
Sand, compact with gravel	4.1	16
Sand, fine, compact	19	35
Sand, coarse, very compact	7	42

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

BARNSTABLE COUNTY--Continued

	Thick-ness	Depth
DENNIS 40. Alt. 9.0 ft.		
Sand, loose	14	14
Sand, medium, brown, compact	20	34
Sand, coarse, gray, compact	19.8	53.8
DENNIS 60. Alt. -6.7 ft.		
Sand, silty	9.5	9.5
Sand, fine	16.5	26
Sand, fine, compact	7.0	33
Sand, compact, some gravel, little clay	5.5	38.5
Refusal		at 38.5
DENNIS 66. Alt. 50.7 ft.		
Sand, loose	2.3	2.3
Sand, fine	14.7	17
Sand, fine to medium	5	22
Sand, fine, compact	8.2	30.2
Sand, fine, compact, trace of clay	9.5	39.7
EASTHAM 3. Alt. 0.3 ft.		
Silty peat	7.2	7.2
Sand, sharp, and very little gravel	8.8	16
Sand, coarse, little gravel	8.5	24.5
Sand, sharp, little gravel	22.3	46.8
Sand, coarse, and gravel	14.2	61
Sand, coarse, hard, and gravel	5	66
FALMOUTH 72. Alt. 45 ft.		
Sand	5	5
Clay, blue	20	25
Sand and gravel	5	30
FALMOUTH 116. Alt. 0.4 ft.		
Sand, firm, coarse, little clay, fill	17	17
Sand, soft, coarse, dirty, fill	6	23
Silty peat, little sand	5	28
Sand, hard, coarse, blue, and gravel	2.5	30.5
Sand, hard, gravel and clay, hardpan	4.5	35
FALMOUTH 123. Alt. 5.5 ft.		
Sand and gravel, fill	5.5	5.5
Sand, peaty	3	8.5
Sand, firm, coarse, yellow	18	26.5
Sand, firm, coarse	12.5	39
Sand, firm, coarse, gray	9.5	48.5
Sand, hard, coarse, compact, little fine gravel	6.5	55
FALMOUTH 133. Alt. 1.3 ft.		
Soft mud	6.3	6.3
Sand, coarse, loose, yellow	9.8	15.1
Sand, hard, fine, compact, yellow	30.2	45.3
FALMOUTH 152. Alt. 1.3 ft.		
Sand; and soft mud	2	2
Sand, medium, loose; and gravel	15.2	17.2
Sand, yellow, coarse, firm	4.8	22
Sand, blue, fine, hard, compact	36	58
FALMOUTH 155. Alt. 5.8 ft.		
Sand and gravel, fill	2	2
Sand, coarse, hard, and gravel	9	11
Sand, hard, compact, fine gravel	14	25
Sand, hard, compact, and gravel	12	37
FALMOUTH 170. Alt. 79 ft.		
Sand, loamy, trace of gravel, loose, brown, dry	1.5	1.5
Sand, medium, some gravel and boulders, firm, yellow, dry	7.5	9
Sand, medium, trace of gravel, firm, yellow, dry	14	23
Sand, fine, some gravel and boulders, hard, yellow, dry	6	29
Refusal		at 29
HARWICH 17. Alt. 50 ft.		
Sand	20	20
Hardpan	8	28
Sand	48	76
HARWICH 25. Alt. 25 ft.		
?	10	10
Clay, yellow	6	16
Clay, blue	9	25
Hard driving	25	50
HARWICH 49. Alt. 35 ft.		
Sand, very coarse	6	6

	Thick-ness	Depth
HARWICH 49.--Continued		
Silt to very coarse sand; few pebbles	7.5	13.5
Clay to small cobbles	0.3	13.8
Pebbles to coarse and fine sand	1.8	15.6
Clay to cobbles	0.4	16
Pebbles to coarse and fine sand; and lumpy silt	12	28
Sand, medium, to small pebbles	25	53
Sand, medium to very coarse	14	67
Sand, brown, quartz, medium; and fine sand; some muscovite	0.3	67.3
HARWICH 55. Alt. 5.6 ft.		
Sand and gravel, fill	11.5	11.5
Sand, silty, sharp	9.5	21
Sand, sharp	17.8	38.8
Sand, coarse, and gravel	4.9	43.7
Clay and sand, fine	3.6	47.3
Sand, medium, sharp	3.1	50.4
HARWICH 70. Alt. 52 ft.		
Sand, medium, some silt, dark, loose	6	6
Sand, coarse, loose	12	18
Sand, fine, loose	5	23
Sand, coarse, hard to medium, compact	12	35
HARWICH 75. Alt. 50 ft.		
Soil zone	2	2
Sand, coarse, with gravel, moderate sorting, reddish-brown	4	6
Sand, coarse, light tan, some fine gravel, well sorted	27	33
Clay, blue, with lenses of gray sandy clay	15	48
Stopped drilling at 48 ft.		
HARWICH 76. Alt. 75.8 ft.		
Loam and sand	1.5	1.5
Sand, medium, yellow	2.5	4
Sand, medium, yellow, very little gravel	18	22
Sand, medium, yellow, little gravel	13	35
HARWICH 86. Alt. 55.5 ft.		
Loam and sand	1.5	1.5
Sand, medium, yellow, little gravel	53.5	55
Sand, fine, very compact, yellow	6	61
HARWICH 92. Alt. 48.2 ft.		
Sand, medium, loose, yellow	9	9
Sand, medium, compact, yellow	14	23
Sand, firm, medium, compact, yellow	11	34
Sand, coarse, hard, compact, yellow	6	40
HARWICH 105. Alt. 13.9 ft.		
Sand, coarse, medium, compact, brown	6	6
Sand, firm, fine	9	15
Sand, fine, gray, medium compact	6	21
Silt, gray, trace of clay, stiff	4	25
Sand, medium gray, medium compact	7	32
HARWICH 106. Alt. 25 ft.		
Sand, fine, with scattered coarser-grained layers	160	160
Silt, coarse to clayey, bluish-gray	153	313
Till, bouldery, with silt matrix; bottom 6 ft. iron stained	122	435
Bedrock, phyllitic schist, micaceous	565	1000
MASHPEE 13. Alt. 75 ft.		
Sand, mainly medium, some coarse, well sorted, quartz, mainly slightly to moderately rounded; a little fine gravel	20	20
Gravel	1	21
Sand, mainly medium and coarse quartz, well sorted, moderately rounded to well rounded, brown	6	27

	Thick-ness	Depth
MASHPEE 13.--Continued		
Sand, mainly medium and coarse, well sorted, angular to slightly rounded, brown, quartz	5	32
Sand, mainly medium and coarse, well sorted, quartz, slightly to moderately rounded	5	37
Sand, quartz, mainly medium and coarse, well rounded, well sorted	5	42
Sand, moderately rounded to well rounded, mainly medium, well sorted, brown, quartz, a little gravel	30	72
ORLEANS 5. Alt. 30 ft.		
Loam, sandy	12	12
Clay, blue; no stones	16	28
Hardpan, iron	1	29
Sand, coarse		at 29
ORLEANS 7. Alt. 95 ft.		
Loam and clay	10	10
Clay, gray	4	14
Sand, medium	83	97
Sand, fine	12	109
Clay, hard	3	112
Sand	6	118
ORLEANS 10. Alt. 2.8 ft.		
Sand and gravel, some vegetation	5	5
Sand and gravel mixed with mud	5	10
Mud mixed with sand	7.5	17.5
Sand, compact, gravel, with little clay	2	19.5
Sand, fine	10	29.5
Sand, compact, some gravel, little clay	4.5	34
PROVINCETOWN 13. Alt. 30 ft.		
?	20	20
Sand, light gray with yellow flecks, medium subangular to well rounded; some carbonaceous material	60	80
Sand, light gray with yellow flecks, coarse, subangular to well rounded; some carbonaceous material	20	100
Sand, light gray, fine to medium, silty, subangular to well rounded; some mica	20	120
Sand, light gray to pale yellow, medium, subangular to well rounded; some mica	20	140
Silt, gray, compact, hard; and clay; some mica	20	160
Sand, yellowish-brown, medium, subangular to well rounded	20	180
Sand, pale yellow, fine to medium, well rounded; some mica	20	200
Sand, light gray, fine to very fine, silty; abundant mica	100	300
Remainder of samples missing; total depth 420 ft.		
SANDWICH 3. Alt. 140 ft.		
Soil	2	2
Gravel, hard packed	8	10
Sand	88	98
SANDWICH 4. Alt. 145 ft.		
Soil	2	2
Sand, hard packed	18	20
Sand	88	108
SANDWICH 5. Alt. 10 ft.		
Peat	8	8
Sand, coarse; and gravel	21	29
Sand and clay	10	39
Sand, medium and coarse	25.5	64.5
SANDWICH 13. Alt. 50 ft.		
Topsoil	1	1
Sand	40	41
Clay	25	66
Marl	8	74
Sand and gravel	21	95
SANDWICH 23. Alt. 80 ft.		
Sand and gravel	50	50
Quicksand	120	170
Hardpan	13	183
Gravel	below	183

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued
BARNSTABLE COUNTY--Continued

	Thickness	Depth
SANDWICH 24. Alt. 125 ft.		
Loam	5	5
Sand and clay	10	15
Sand	25	40
Hardpan	9	49
Quicksand	8	57
Sand, white	8	65
SANDWICH 25. Alt. 15 ft.		
Sand, yellow	20	20
Gravel	2	22
Marl, yellow	4	26
Sand	14	40
Marl, very hard	6	46
Sand and gravel	14	60
SANDWICH 109. Alt. 5 ft.		
Mud	6	6
Hardpan	2	8
Sand	12	20
Hardpan	14	34
Sand and gravel	15	49
SANDWICH 219. Alt. 159.1 ft.		
Firm coarse sand and gravel	10.5	10.5
Hard coarse sand, gravel and boulders	8.5	19
Hard coarse sand, fine gravel	12	31
SANDWICH 230. Alt. 119.5 ft.		
Sand, coarse, hard, and gravel.	6	6
Sand, coarse, firm, and gravel.	13	19
Sand, coarse, hard, little gravel	8.5	27.5
Sand, coarse, hard, very little fine gravel	5.5	33
SANDWICH 241. Alt. 183.2 ft.		
Sand, loamy	4.5	4.5
Sand, coarse, firm	10.5	15
Sand, coarse, hard, and gravel.	11	26
Sand, coarse, compact, hard, fine gravel	7	33
SANDWICH 252. Alt. 45 ft.		
Sand, medium to coarse	50	50
Sand, medium to coarse, some coarse gravel	7	57
SANDWICH 253. Alt. 115 ft.		
Sand, medium to coarse, and some fine gravel	70	70

	Thickness	Depth
TRURO 44. Alt. 110 ft.		
Topsoil	3	3
Gravel, sandy	12	15
Sand, coarse	10	25
Sand, fine	5	30
Gravel, sandy	5	35
Gravel, coarse	15	50
Sand, fine	25	75
Gravel, coarse	10	85
Sand, fine	15	100
Sand, very fine; some clay	15	115
Sand, very fine, clean	5	120
Silt, fine; and clay	18	138
sand, fine; waterbearing	12	150
Silt, fine; and clay	20	170
TRURO 62. Alt. 14.0 ft.		
Sand and gravel fill	1	1
Firm, fine sand and gravel	7.5	8.5
Hard medium sand, little clay.	5.5	14
Hard coarse sand and gravel	14.5	28.5
Hard medium sand, little fine gravel	12	40.5
TRURO 73. Alt. 120 ft.		
Sand	108	108
Clay	29	137
Sand, coarse	10	147
Clay	8	155
TRURO 89. Alt. 20 ft.		
Fill	1	1
Sand and gravel, reddish, well sorted, medium	6	7
Sand, medium, well sorted, brown, damp	5	12
Sand, coarse, tan, well sorted, wet	6	18
Sand, coarse, brown, well sorted	5	23
WELLFLEET 3. Alt. 18.4 ft.		
Sand, coarse	25	25
Sand, fine	15.5	40.5
Sand, coarse	9.5	50
WELLFLEET 23. Alt. 2.0 ft.		
Sand, probable fill	7	7
Sand, loose, with gravel	11	18
Sand, compact, and gravel	18.1	36.1

	Thickness	Depth
WELLFLEET 33. Alt. 48 ft.		
Sand, medium, some gravel	8	8
Sand, fine	10	18
Sand, fine, and gravel	14	32
Sand, fine, hard	8	40
WELLFLEET 49. Alt. 37 ft.		
Sand, medium, some fine	30	30
Sand, medium, some coarse	25	55
YARMOUTH 11. Alt. 30 ft.		
?	2	2
Clay; and brown and gray sand.	14	16
Clay; and gray sand	23	39
Clay, hard	1	40
Hardpan, gray	10	50
Clay, gray; and sand	20	70
Stopped on rock or boulder.		
YARMOUTH 13. Alt. 20 ft.		
Sand, brown, coarse and fine	17	17
Gravel	3	20
Hardpan, brown	0.5	20.5
Hardpan, gray	3.5	24
Sand, gray, and clay	41	65
YARMOUTH 35. Alt. 15 ft.		
Sand, fine, white	15	15
Sand, coarse	0.5	15.5
Sand, fine, white	4.5	20
Sand, coarse	1	21
Sand, fine, white	11.5	32.5
Sand, coarse	2	34
YARMOUTH 37. Alt. 5.8 ft.		
Sand, fine, compact	35	35
Sand, medium, compact, red	5.8	40.8
YARMOUTH 44. Alt. 71.4 ft.		
Sand, fine, and clay	3.7	3.7
Sand, fine, compact, and clay.	9.8	13.5
Sand, fine, compact, clay, and some gravel	8.2	21.7
Sand, fine	6.3	28
Sand, fine, compact, some gravel, trace of clay	9.2	37.2
YARMOUTH 56. Alt. 51.4 ft.		
Sand, fine, loose	7	7
Sand, fine, gravel, and clay	3.2	10.2
Sand, fine, compact, little clay	8.8	19
Sand, very compact, gravel, and some clay	11	30
YARMOUTH 74. Alt. 26.0 ft.		
Sand, loose, with organic material	6.6	6.6
Sand, fine	4.7	10.7
Sand, fine, with little clay	5.3	16
Sand, fine, compact, some clay	6.6	22.6
Sand, very fine, compact, some clay, and little gravel	8.4	31

BRISTOL COUNTY

	Thickness	Depth
ACUSHNET 3. Alt. 5 ft.		
Sand	55	55
Hardpan	15	70
Gravel, coarse	10	80
ACUSHNET 15. Alt. about 40 ft.		
Sample:-Recovery 16".		
Sand, fine to very fine, and silt. Predominantly very fine sand and very well sorted, color is brown. Sample wet and compact, grains too fine to determine degree of roundness. A cross-section through the sample shows faint banding. The bands range from 1/8" thick to 1/2" thick and are characterized by differences in color (shades of brown) and changes in grain size, either fine or very fine		5-6.5
Same as above		10-11.5
Sample:-Recovery 12".		
Same as above		15-16.5
Sample:-Recovery 12".		
Same as above		20-21.5
Sample:-Recovery 10".		
Same as above		25-26.5
Very fine sand and silt, brown, same as above but less fine sand and more silt		30-31.5
Sample:-Recovery 10".		
Upper 2"-Very fine sand and silt, gray, same as above.		
Lower 8"-Sand, brown, very fine to coarse, predominantly medium grains, well rounded, sample well sorted. Horizontal bands of iron staining are present, averaging 1/8"-1/4" in thickness and spaced about 1/2" apart. There is a gradual transition between the very fine sand and silt of the upper 2" and the medium sand of the lower 8". Samples fairly compact. Driller estimates this layer extends 2' down		35-36.5
Sample:-Recovery 16".		
Silt, and fine sand, gray, very loose. High water content, very well sorted.		40-41.5
Sample:-Recovery 16".		
Silt and very fine sand, gray, very wet, same as above		45-46.5
Sample:-Recovery 14".		
Same as above, very loose silt with very fine sand, gray		50-51.5
Sample:-Recovery 16".		
Same as above, silt with some fine sand, gray, a little more compact		55-56.5
Same as above, silt with some very fine sand, gray		60-61.5
Sample:-Recovery 8".		
Upper 4"-Same as above, silt with some fine sand.		
Lower 4"-Same gray silt as above but mixed in with the silt is sand and gravel. The sand ranges from very fine to very coarse and poorly sorted. The grains range in shape from subrounded to predominantly angular. Gravel is also present from very fine to medium, is angular and has a distinctive reddish brown color. Many decaying pieces of shale of fine gravel size also present which crumble easily		

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

BRISTOL COUNTY--Continued

	Thickness	Depth
ACUSHNET 15.--Continued		
Sample:-Recovery 8".--Continued		
Lower 4".--Continued		
between the fingers. Driller says he encountered this layer at 65.6'. Looks like till		65-66.5
Cored 5' recovered 4.6' Dedham granodiorite		70-75
ATTLEBORO 5. Alt. 45 ft.		
Sand and gravel	25	25
Boulders and gravel	10	35
Hardpan	5	40
Bedrock	392	432
ATTLEBORO 45. Alt. 125 ft.		
Topsoil	2.5	2.5
Sand and clay	15	17.5
Sand	5	22.5
Clay	5	27.5
Gravel	7	34.5
ATTLEBORO 51. Alt. 125 ft.		
Peat	5	5
Sand and gravel	29.9	34.9
ATTLEBORO 71. Alt. 135 ft.		
Sand, loam, and gravel fill	15	15
Sand, coarse, loose, and little gravel	7	22
Sand, fine, gray, and little clay	39.5	61.5
Sand, medium, gray, gravel, and little clay	5.5	67
BERKLEY 10. Alt. 20 ft.		
Soil	4	4
Hardpan	6	10
Sand	2	12
Hardpan	6	18
Sand	2	20
DARTMOUTH 1. Alt. 130 ft.		
Hardpan	2	2
Granite	348	350
DARTMOUTH 12. Alt. 65 ft.		
Unconsolidated deposits	28	28
Hardrock (granite)	50	78
Soft rock (slate)	50	128
DIGHTON 109. Alt. 25 ft.		
Fill	14	14
Sand, gray, fine	2	16
Clay	1	17
Sand, coarse	2	19
Clay; and fine sand	12	31
Bedrock		at 31
DIGHTON 127. Alt. 45 ft.		
Soil	3	3
Sand, hard; and gravel	7	10
Sand and gravel	6	16
Sand, medium	13	29
Sand, packed; and gravel	6	35
FAIRHAVEN 46. Alt. 5 ft.		
Sand, fine	50	50
Bedrock (schist and gneiss)	30	80
FREETOWN 10. Alt. about 90 ft.		
Sample:-Recovery 8".		
Sand, dark brown, medium with minor coarse, well sorted, predominantly quartz sand, some iron staining, rest clear; small, well rounded grains of Rhode Island formation present. All grains well rounded, scattered very coarse grains and large pebbles of gravel		5-5.5
Sample:-Recovery 12".		
Sand, grayish-brown, well sorted, well rounded, coarse top 3", medium middle 3", coarse bottom 6", top layer same as lower coarse layer except for more very fine gravel scattered among coarse sand. Quartz dominant mineral, clear on top, some iron-stained grains in coarse sections, scattered grains of very coarse sand and fine gravel throughout		20-20.5

	Thickness	Depth
FREETOWN 10.--Continued		
Sample:-Recovery 8".		
Sand, gray-brown, top 5" poorly sorted, medium and coarse sand with mud matrix of finer particles; occasional pebbles. Lower 3", moderately sorted coarse sand and pebbles, iron stained; all sand well rounded		15-15.5
Sample (bob open end):		
Sand, coarse and very coarse, about 60% coarse and 40% very coarse, well sorted, well rounded, dominant quartz with feldspar. Color light gray-brown		20-20.5
Sample:-bob		
Top-thin layer fine sand over coarse and very coarse sand, well sorted, well rounded.		
Bottom-till, light tan, clayey with sharp angular quartz fragments		25-26.5
FREETOWN 11. Alt. about 90 ft.		
Sample:-Recovery 10".		
Sand and gravel, brown, poorly sorted. Sand is fine to very coarse, the fine to medium sand appears to be rounded to subrounded and the coarse to very coarse sand grains appear to be angular to subangular. Gravel is very fine to medium and appears to be angular. Silt is mixed with above. Looks like till		5-5.5
Sample:-Recovery 10".		
Sand, gravel, and silt, same as above, poorly sorted, loose and wet. Several of the large gravel sized pieces appear to be shaly.		10-11.5
Sample:-Recovery 2".		
Sand and gravel, same as above		15-15.5
Sample:-Recovery 8".		
Same as above. Color is brown; sand, gravel and silt mixed. Sand ranges from a very fine to coarse. Medium to very fine sand appears to be rounded to subangular. Coarse sand is angular		20-21.5
Same as above		25-26.5
Same as above		30-31.5
Bobbed sample:		
Upper 4"-Same as above.		
Lower 6"-Fine to very fine sand and silt, very compact, brownish, well sorted. No structure evident. Since sample was bobbed, cannot tell if this grades into above till-like material. Driller estimates the layer of fine sand is about 1' thick		35-36.5
Bobbed sample:		
Sand, gravel and silt, color brown, predominantly sand is very fine to very coarse. Fine to medium grains appear rounded while coarse and very coarse grains are more subangular to angular. Gravel is very fine to medium and subangular to angular in shape. Gravel, sand, and silt well mixed. Sample firm and dry		40-41.5
Bobbed sample:		
An intimate mixture of sand, all sizes, gravel, fine to medium and silt. Color is brown. The medium sand tends to be round to subrounded and the coarse sand is more angular. Looks		

	Thickness	Depth
FREETOWN 11.--Continued		
Bobbed sample:--Continued		
like till. Silt mixed with the sand and gravel. Material compact		45-46.5
Bobbed sample:		
Same as above but with many fine to medium gravel-sized particles of shale, which crumble easily between the fingers. Material compact		50-51.5
Refusal-bedrock		52
FREETOWN 22. Alt. about 90 ft.		
Sample:-Recovery 16".		
Sand: Yellow brown, medium well sorted, no structure, loose, well rounded, frosted, major quartz, some feldspar and dark minerals, some quartz grains are slightly stained		5-6.5
Sample:-Recovery 4".		
Sand: Brown, very fine and fine, moderate sorting, no structure, loose, rounded.		10-11.5
Sample:-Recovery 14".		
Lower 4"-Sand, brown, fine, well sorted, sharp contact with upper sand, loose rounded.		
Top 10"-Sand, brown, grades gradually from medium sand at the top to coarse sand at bottom with $\frac{1}{2}$" layer of pebbles at contact with the fine sand described above, well sorted, loose, rounded		15-16.5
Sample:-Recovery 18".		
Sand: Brown, medium, well sorted, no structure, loose, well rounded, ovoid, frosted, major quartz		20-21.5
Sample:-Recovery 8".		
Same as above		25-26.5
Sample:-Recovery 6".		
Sand, gray-brown, very fine, well sorted, moderately compact		30-31.5
Sample:-Recovery 18".		
Top 5"-Silt: brownish-gray.		
Middle 9.5"-Sand: Brown, medium with some coarse and some fine grains, well sorted, (2" from top $2\frac{1}{4}$" layer of silt appears, $4\frac{1}{2}$" from top a $2\frac{1}{2}$" layer of very heavily iron-stained medium sand, $5\frac{1}{2}$" from the top a 2-1/8" layer of silt appears), loose, well rounded grains approaching ovoid shape, frosted.		
Lower $3\frac{1}{2}$"-Silt: brownish-gray		35-36.5
Sample:-Recovery 8".		
Sand: brownish-gray, medium-grained, grades gradually down into fine at bottom of sample, well sorted, loose, rounded, frosted, also contains minor very fine sand and very minor amount of silt		40-41.5
Sample:-Recovery 4".		
Sand: Brown, fine with minor very fine, well sorted, rounded, loose, frosted		45-46.5
No sample obtained on first attempt		50-51.5
Sample obtained by "bobbing". Recovery 16" of disturbed sample.		
Sand: Yellowish-brown, mixture of coarse to very coarse with minor medium, well sorted, loose; coarse: well rounded; very coarse: rounded, frosted, slight iron staining in scattered grains. (Note: some very coarse sand was washed at the depth of 54-55.)		50-51.5
Sample:-Recovery 6".		
Sand: Grayish-brown, coarse to medium with minor very		

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

BRISTOL COUNTY--Continued

	Thickness	Depth
FREETOWN 22.--Continued		
Sample:-Recovery 6".--Continued		
coarse, well sorted, loose, rounded to subangular, frosted; occasional quartz grains show iron staining....		55-56.1
Sample:-Recovery 18".		
Sand: grayish-brown, medium, well sorted loose, rounded, frosted; contains pebbles up to $\frac{1}{4}$" in diameter dispersed thru sample.....		60-61.5
Sample:-Recovery 18".		
Top 5"-Sand: grayish-brown, medium to fine, well sorted, good contact with below		
described coarse sand, loose rounded, frosted.		
Lower 13"-Sand: brown, coarse to medium with minor very coarse grains, well sorted, loose, rounded, frosted; occasional quartz grains iron stained. (Note: Contains pebbles up to 3/4" diameter dispersed throughout lower 13".		
Appears to be delta deposit.)		65-66.5
Sample:-Recovery 10".		
Sand: brown, mixture from fine to very coarse grains, compact, well rounded, frosted. (Note: Contains pebbles up to 3/4" diameter spaced at random throughout sample.).....		70-71.5
Sample:-Recovery 18".		
Top 8"-Sand: brown, gradual gradation from medium to very coarse, including some very fine to medium gravel, moderately sorted, loose, frosted, the coarse grains and smaller are rounded, larger grains are angular and the larger gravel is rounded.		
Lower 10"-heterogeneous mixture ranging from very coarse gravel to silt, dirty grayish-brown, poorly sorted, no structure, subangular to rounded, frosted, some quartz grains are iron stained.....		75-76.5
No sample obtained on first try		80-81.5
Disturbed sample obtained by "bobbing".		
Sand: Very coarse to coarse with some medium-sized grains, yellowish-brown, well sorted, loose, well rounded, some grains ovoid in shape, grains appear more clear than frosted....		80-81.5
No sample obtained on first try		85-86.5
Disturbed sample obtained by "bobbing".		
Sand: Same as above except that grains appear more frosted. (Note: there is a possibility of a layer of silt existing between 80 and 86.5 feet.).....		85-86.5
Sample:-Recovery 18".		
Sand, dark brown, grades from coarse at top of sample to fine and very fine at bottom 3 inches, well sorted throughout, loose, rounded to subangular, frosted; bottom 3 inches very heavy limonite stained		90-91.5
Sample:-Recovery 18".		
Mixture of sand and gravel very heavily iron stained, subangular to rounded; also contains silt.....		95-96.5
Sample:-Recovery 18".		
Top 10"-Fine gravel and very coarse to medium sand, poorly sorted, brown, loose grains vary from well rounded to subangular, frosted, 4" from top of sample $\frac{1}{2}$" layer of highly iron-stained grains appear.		

	Thickness	Depth	
FREETOWN 22.--Continued			
Sample:-Recovery 18".--Continued			
Lower 8"-Sand: brownish-gray, ranges from very coarse to very fine with high percent of silt in lower 3", very fine sand seems to be major constituent, moderate sorting, compact.....			100-101.5
Sample:-Recovery 18".			
Till.....			105-106.5
Sample:-Recovery 9".			
Till.....			108-109
Refusal.....			110.08
Drill--Recovery 12".			110.08-
Dedham granodiorite.....			111.58
Drill--Recovery 4".			111.58-
Dedham granodiorite.....			115.1
NEW BEDFORD 63. Alt. 0.0 ft.			
River bed.....	22.3	22.3	
Sand, coarse, and shells.....	3.6	25.9	
Sand, very fine.....	10.7	36.6	
Clay.....	2	38.6	
Refusal.....		at 38.6	
NEW BEDFORD 68. Alt. 4.6 ft.			
Hard sand, gravel and rip-rap fill.....	10.5	10.5	
Soft sand and shells.....	6.5	17	
Firm, fine sand and clay.....	6	23	
Hard, coarse sand and gravel, little clay.....	2.5	25.5	
Refusal.....		at 25.5	
NEW BEDFORD 95. Alt. 5 ft.			
Fill.....	16.5	16.5	
Mud.....	3.5	20	
Sand and gravel.....	14.9	34.9	
Gravel and little clay.....	4.1	39	
Bedrock.....	5	44	
NORTH ATTLEBOROUGH 15. Alt. 75.8 ft.			
Sand, coarse to fine; fine gravel.....	8	8	
Sand, medium to fine, some silt, some fine gravel.....	5	13	
Silt and gravel, some sand, cemented.....	3	16	
Gravel, coarse, compact.....	2	18	
NORTH ATTLEBOROUGH 22. Alt. 190 ft.			
Sand, brown; and gravel.....	35	35	
Sand, gray; and gravel; some clay.....	5	40	
Hardpan.....	10	50	
NORTON 1. Alt. 75 ft.			
Sand, brown, fine.....	40	40	
Sand mixed with clay.....	6	46	
Clay, light.....	5	51	
Sand, coarse and fine.....	15	66	
Sand, brown; and gravel.....	11	77	
Sand, gray; and gravel.....	8	85	
Refusal.....		at 85	
NORTON 12. Alt. 67.0 ft.			
Peat, soft; and sand.....	5	5	
Sand, firm, sharp little fine gravel.....	5	10	
Sand, fine, soft.....	39.5	49.5	
Sand, coarse, firm; little fine gravel.....	15.5	65	
Sand, hard; and gravel.....	3.5	68.5	
Refusal.....		at 68.5	
RAYNHAM 3. Alt. 5 ft.			
Fill; cinder, sand, and gravel	7.5	7.5	
Rock flour.....	19	26.5	
Sand, coarse, firm.....	3.5	30	
Sand, coarse, hard; and coarse gravel.....	5.5	35.5	
Sand, cemented, hard; and fine gravel; little clay.....	8.5	44	
RAYNHAM 29. Alt. 101.7 ft.			
Sand, loamy; and gravel.....	3.	3	
Sand, hard; and gravel.....	4	7	
Sand, coarse, hard; and gravel	5.5	12.5	
Sand, cemented, hard; and gravel; hardpan.....	1.5	14	
RAYNHAM 40. Alt. 40.5 ft.			
Fill.....	6.1	6.1	
Peat, soft.....	1.5	7.6	
Sand, fine, firm.....	8	15.6	
Clay, blue, medium.....	10.5	26.1	

	Thickness	Depth
RAYNHAM 40.--Continued		
Clay, blue, medium; little fine sand.....	7	33.1
Sand, coarse, hard; and gravel; little clay.....	13.5	46.6
Sand, cemented, hard; little fine gravel; hardpan.....	3.5	50.1
Refusal.....		at 50.1
REHOBOTH 179. Alt. 7 ft.		
Loam, sand, and gravel.....	3	3
Moist medium gray clay, some silt and very fine gray sand	3	6
Moist medium yellow gray clay, some silt and very fine gray sand; trace of peat.....	6	12
Moist medium gray sand, some fine gravel; trace of silt and clay.....	5	17
Moist fine to medium gray sand, fine to coarse gray gravel and silt.....	8	25
Refusal.....		at 25
REHOBOTH 199. Alt. 24.2 ft.		
Soft loam.....	3	3
Moist medium to coarse yellow sand.....	6	9
Wet medium to fine yellow sand, fine to coarse gravel, boulders.....	4.5	13.5
Wet compact fine to very fine yellow sand, trace fine to coarse gravel, silt, and clay.....	5.5	19
Wet fine to medium gray sand, some fine to coarse, gray, trace of silt, clay, and boulders.....	7.5	26.5
Wet compact fine to medium gray sand, trace of coarse gravel, clay, and boulders..	7.5	34
Wet compact fine to medium gray sand, some fine gravel, trace of clay, boulders.....	7	41
Moist compact medium to fine gray sand and fine gravel, trace of clay.....	11	52
Gray sand and gravel.....	2	54
Bedrock.....	5	59
SEEKONK 100. Alt. 140 ft.		
Till.....	21	21
Bedrock, sandstone, gray.....	85	106
SEEKONK 109. Alt. 40 ft.		
Sand and gravel.....	33	33
Clay, blue.....	42	75
Bedrock.....		at 75
SEEKONK 173. Alt. 80 ft.		
Topsoil.....	4	4
Sand and gravel.....	19	23
Sand, fine.....	4	27
Hardpan.....	16	43
SEEKONK 264. Alt. 60 ft.		
Sand and gravel.....	14	14
Sand, fine.....	7	21
Sand; some gravel, and some clay.....	4	25
?.....	6	31
Sand; and coarse gravel.....	25	56
Gravel, sharp; sand; and some clay.....	4	60
Sand, medium; and some gravel.	14	74
Sand; and some gravel.....	5	79
Gravel, sharp; and some clay..	7	86
Refusal.....		at 86
SEEKONK 265. Alt. 60 ft.		
Sand.....	10	10
Sand and clay.....	11	21
Hardpan.....	4	25
Sand and gravel.....	36	61
SWANSEA 5. Alt. 23. ft.		
Fill.....	5	5
Sand and gravel.....	7	12
Sand, fine.....	0.5	12.5
Sand and gravel.....	18	30.5
Sand, fine.....		Streak
Sand, fine; some gravel.....	10	40.5
Sand, fine.....		at 40.5

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

BRISTOL COUNTY--Continued

	Thick-ness	Depth
SWANSEA 6. Alt. 23 ft.		
Fill	4	4
Mud	2.5	6.5
Sand, gray, fine	0.5	7
Sand and gravel	26	33
Sand, fine	3	36
SWANSEA 149. Alt. 40 ft.		
Loam	3	3
Gravel	18	21
Bedrock	16	37
TAUNTON 1. Alt. 74 ft.		
Fill	5.7	5.7
Clay; fine sand; and gravel	12	17.7
Sand, medium	4	21.7
Sand, coarse	5	26.7
Gravel, fine	6	32.7
Gravel, fine; mixed with sand	5	37.7
Gravel, fine; and slightly finer sand	6	43.7
Hard formation; boulder or bedrock		at 43.7
TAUNTON 2. Alt. 75.5 ft.		
Fill	6.5	6.5
Sand and gravel	17	23.5
Sand, fine	7	30.5
Sand, medium to coarse	11	41.5
Sand, coarse; some gravel	35.9	77.4
TAUNTON 3. Alt. 72 ft.		
Fill	4.2	4.2
Sand, red; and gravel	22	26.2
Sand, brown; and gravel	5	31.2
Sand, coarse; and gravel	5	36.2
Sand, gray, coarse	11	47.2
Sand, dark gray; and gravel	21	68.2
Clay; and fine sand	5	73.2
TAUNTON 4. Alt. 73 ft.		
Fill	9	9
Muck, black	2	11
Sand, gray, coarse; and fine gravel; few small boulders	17	28
Sand, gray, coarse; and fine gravel; few small boulders and small amount of clay	13	41
Sand, brown, coarse; and fine gravel	25	66
Hardpan, gray	1.5	67.5
TAUNTON 5. Alt. 58 ft.		
Gravel	10	10
Sand and clay	11	21
Clay	20	41
Clay and gravel	10	51
Sand	3	54
Clay, blue, very hard	31	85
Sandstone	95	180
Slate, black	20	200
Slate, blue	85	285
Sandstone	20	305
Conglomerate, quartzose	12	317
Sandstone	30	347
Slate, blue	81	428
Sandstone	22	450
Slate, blue	80	530
Slate, coaly; blue slate; and sandstone	15	545
Conglomerate, quartzose	13	558
Slate, black	97	655
Slate, coaly; and sandstone	15	670
Sandstone	5	675
Slate, black	13	688
Sandstone	7	695
Slate, blue	90	785
Slate, black	10	795
Slate, blue	5	800
Slate, black	5	805
Slate, blue	10	815
Slate, black	15	830
Slate, blue	33	863
Sandstone	47	910
Slate, black	40	950
Sandstone	25	975

	Thick-ness	Depth
TAUNTON 15. Alt. 10 ft.		
Clay, gray, medium, sandy, soft	10	10
Clay, gray, medium, silty, plastic	50	60
Gravel, fine to medium; little coarse sand	10	70
Slate, gray, sandy, fragmental	20	90
Slate, gray, fine	30	120
Slate, gray, sandy	20	140
Slate, gray, fine	30	170
Slate, gray, sandy; numerous quartz veins	40	210
Slate, gray, fine	10	220
Slate, gray, sandy	50	270
Slate, gray, fine	20	290
Slate, gray, sandy	10	300
Slate, gray, fine	10	310
Slate, gray, sandy	30	340
Slate, gray, fine	30	370
Slate, gray, sandy; pyrite inclusions	10	380
Slate, gray, fine	10	390
Slate, gray, sandy	10	400
Slate, gray, fine	60	460
Slate, gray, sandy	10	470
Slate, gray, fine	34	504
TAUNTON 24. Alt. 10 ft.		
Fill	6	6
Sand, fine	9	15
Medium blue clay	24	39
Gravel and clay	7	46
Sand and gravel	2	48
Fine sand, little gravel	3	51
Quicksand, little gravel	3	54
Quicksand	6	60
Sand and gravel	1	61
Bedrock		at 62
TAUNTON 88. Alt. 5.5 ft.		
Topsoil	3	3
Sand, fine, and gravel	6	9
Clay and sand, very fine	6	15
Sand, medium, and gravel	20	35
TAUNTON 106. Alt. 38.6 ft.		
Sand, soft, loamy, and mud fill	5.5	5.5
Sand, dirty, coarse, firm, and gravel	6	11.5
Sand, blue, fine, soft, and clay	18	29
Sand, blue, firm, coarse, and gravel	1.5	31
Refusal		at 31
TAUNTON 114. Alt. 84.5 ft.		
Sand, gravel, and cinder fill	8	8
Sand, fine	14.8	22.8
Sand, sharp	15.7	38.5
Sand, hard, coarse, gravel, and little clay	5.5	44
Refusal		at 44
TAUNTON 121. Alt. 61 ft.		
Peat, soft	3.5	3.5
Sand and gravel	2	5.5
Sand, loose, sharp	4.5	10
Sand, blue, fine	12.5	22.5
Sand, fine; and clay	33.5	56
Sand, fine, firm; little clay	19	75
Sand, blue, firm; little clay	13	88
Sand, firm; and gravel	7	95
Sand, hard; and gravel; little clay	3.5	98.5
Refusal		at 98.5

	Thick-ness	Depth
TAUNTON 172. Alt. 38 ft.		
Loamy, sand	2.5	2.5
Sand, gravel, and little clay	2	4.5
Sand, medium, and clay	5.5	10
Sand, firm, fine	11	21
Sand, fine, little clay	17	38
Sand, firm, coarse	7	45
Sand, hard, and gravel, little clay	3	48
Sand, hard, and gravel, fine	5.5	53.5
Refusal		at 53.5
TAUNTON 174. Alt. 39.2 ft.		
Sand, and gravel; fill	6.5	6.5
Sand, hard, coarse, and gravel, fine	3.5	10
Sand, firm, fine, gray	18.5	28.5
Sand, firm, fine, blue, and gravel, coarse	6.5	35
Sand, hard, blue, gravel and little clay	9	44
Refusal		at 44
TAUNTON 186. Alt. 19.3 ft.		
Sand, gravel, and clay; fill	3.6	3.6
Fine, yellow sand and clay	5	8.6
Very fine gray sand, little clay	32.6	41
Sand, gravel, clay and boulders	5	46
Hard coarse sand, gravel, clay and boulders	9	55
TAUNTON 196. Alt. 55.5 ft.		
Loam	0.2	0.2
Sharp fine sand	25.1	25.3
Sand and gravel	4.7	30
Hard sand and gravel, hardpan	6	36
TAUNTON 289. Alt. 25 ft.		
Sand, brown	22	22
Sand, brown; and gravel	3.6	25.6
TAUNTON 318. Alt. 12.7 ft.		
Mud	1	1
Sand, fine	10.5	11.5
Compact clay, sand, and gravel	12.8	24.3
Bedrock		at 24.3
TAUNTON 329. Alt. 30.7 ft.		
Muddy sand and gravel	3.5	3.5
Compact sand and gravel with some clay	6.2	9.7
Fine sand with some clay	4.0	13.7
Sand, gravel, and clay	4.8	18.5
Compact sand, gravel, and clay	2	20.5
Bedrock		at 20.5
WESTPORT 24. Alt. 12.8 ft.		
Sand, yellow, fine	20	20
Sand, gray, fine	27	47
Sand, gray, fine, silty, and clay	11	58
Sand, gray, coarse, and clay	11	69
Sand, brown, fine; gravel and clay	23	92
Refusal		at 92
WESTPORT 26. Alt. 13 ft.		
Fine yellow sand	7	7
Fine gray silty sand	23	30
Fine gray sand	10	40
Fine gray silty sand	27	67
Gray clay and silt	14	81
Tight brown sand, gravel, and silt	5	86
Refusal		at 86
WESTPORT 28. Alt. 12 ft.		
Fine yellow sand	4	4
Fine brown sand	10	14
Fine yellow gray sand	5	19
Fine gray sand and silt	23	42
Fine gray sand	13	55

DUKES COUNTY

	Thick-ness	Depth
CHILMARK 15. Alt. 170 ft.		
Clay, china	83	83
Gravel, fine	41	124
CHILMARK 16. Alt. 145 ft.		
Topsoil	2	2
Clay, red and white, sandy	6	8
Clay, white, sandy	18	26

	Thick-ness	Depth
CHILMARK 16.--Continued		
Clay, red; sand; and stone	12	38
Clay, white, sandy	13	51
Clay, red	41	92
Clay, white, sandy	25	117
Clay, white, sandy, heavy	7	124
Clay, red	43	167

	Thick-ness	Depth
CHILMARK 16.--Continued		
Clay, white, sandy	12	179
Sand, fine; and grits, muddy	64	243
Clay, gray	8	251
Sand, gray, fine and medium; and grits, muddy	7	258
Clay, white, sandy	3	261

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

DUKES COUNTY--Continued

	Thickness	Depth
CHILMARK 22. Alt. 95 ft.		
Loam, black	1	1
Hardpan; boulders; and large stones	5	6
Sand, coarse; heavy gravel; and boulders	28	34
Sand, coarse; and gravel	51	85
Sand, gray, fine; some gray clay	11	96
Sand, gray, fine	20	116
Sand, gray, fine and medium; grits; and gravel	4	120
CHILMARK 23. Alt. 45 ft.		
Topsoil	1	1
Clay, light brown	26	27
Clay, gray, hard, heavy	12	39
Sand, brown, medium coarse; and heavy gravel (rusty color)	14	53
Sand, brown, fine to medium, light in color	4	57
CHILMARK 24. Alt. 40 ft.		
Boulders	5	5
Sand, coarse; and yellow gravel	3	8
Clay, fine, sandy, hard packed; and boulders	21	29
Clay, yellow, sandy; and heavy gravel	29	58
Sand, gray, medium to coarse; grits; and gravel	9	67
CHILMARK 25. Alt. 100 ft.		
Sand, medium to coarse; and heavy gravel	3	3
Sand, medium to coarse; gravel; and boulders	16	19
Sand, brown, medium (tight formation)	9	28
Clay, gray, sandy	7	35
Sand, brown, fine to medium (tight formation)	8	43
Sand, brown, fine	11	54
Sand, brown, medium to coarse	8	62
?	0.5	62.5
CHILMARK 26. Alt. 180 ft.		
Topsoil	1	1
Sand, brown, coarse; and large stones	35	36
Sand, brown, coarse; and heavy gravel	44	80
Sand, brown, medium; and large stones (muddy formation)	30	110
CHILMARK 27. Alt. 90 ft.		
Topsoil	1	1
Sand, brown, medium; and large stones	4	5
Clay, yellow, sandy; and boulders	26	31
Clay, yellow, sandy	20	51
Hardpan and boulders	8	59
Clay, red; and sand streaks	9	68
Sand, gray, fine to medium; grits; and gravel	11	79
Sand, gray, fine; and grits	6	85
CHILMARK 28. Alt. 130 ft.		
Topsoil	1	1
Soil, brown, sandy	3	4
Sand, yellow, coarse; heavy gravel; and boulders	14	18
Sand, yellow coarse; and heavy gravel	7	25
Clay, brown, sandy; and gravel	17	42
Sand, yellow, coarse; and heavy gravel	31	73
Clay, gray, sandy, hard; some gravel	41	114
Sand, gray, medium to coarse; grits; some gravel	7	121
EDGARTOWN 25. Alt. 15 ft.		
Sand, yellow and white; some extra large gravel	5	5
Sand, white, fine; and fine gravel	10	15
Sand, white, fine; and fine to medium gravel	5	20
Sand, white, fine; and fine to medium and large gravel	5	25
Sand, white, fine; and fine to large and extra large gravel	5	30
Sand, white, medium; and medium to large and extra large gravel	20	50
Sand, white, fine to medium; and medium to large gravel	5	55
Sand, fine to medium; small amount of medium gravel	5	60
Sand, white, fine	5	65
Sand, white, medium; and medium to coarse gravel	below 65	
EDGARTOWN 26. Alt. 25 ft.		
Topsoil	2	2
Clay, yellow, sandy	5	7
Sand, brown, medium to coarse; grits; and gravel	4	11
Sand, yellow, medium to coarse; grits; and gravel	49	60
GAY HEAD 3. Alt. 125 ft.		
Topsoil	2	2
Sand, brown, medium to coarse.	3	5
Sand, yellow, medium to coarse; and boulders	6	11
Sand, yellow, fine to medium; and gray clay	12	23
Clay, gray	81	104
Sand, medium to coarse; and white clay	25	129
Clay, red	39	168
Sand, brown, coarse; and gravel	5	173
Sand, brown, fine, hard packed	2	175
GAY HEAD 4. Alt. 20 ft.		
Topsoil	2	2
Sand, brown, medium	3	5
Sand, brown, medium; and boulders	14	19
Sand, brown, medium; and heavy gravel	11	30
Clay, gray, fine, sandy, hard packed; and stones	25	55
Sand, brown, medium fine; and grits; some gravel	12	67
TISBURY 1. Alt. 115 ft.		
Loam, hard packed; sand; large gravel; and nigger heads	6	6
Sand, brown, coarse; large gravel; and nigger heads	98	104
Sand, brown, coarse; fine grits; some gravel	76	180
Sand, brown, medium to coarse; fine grits; some gravel	37	217
Sand, brown, coarse; grits; and gravel	5	222
Sand, brown, medium to coarse; grits, and gravel	7	229
Sand, brown, fine to medium	18	247
Sand, brown, fine to medium, layered	15	262
TISBURY 2. Alt. 115.7 ft.		
Loam and boulders	5	5
Sand, brown, coarse; and boulders	65	70
Sand, brown, coarse; and gravel	3	73
Sand, brown, coarse; and boulders	10	83
Sand, medium to coarse; grits; gravel; and large stones	26	109
Sand, brown, medium to coarse; and boulders	30	139
Sand, brown, medium to coarse; grits; and gravel	10	149
Sand, brown, medium to coarse; grits; gravel; and stones	31	180
Sand, brown, fine to medium; some clay	10	190
Sand, brown, fine to medium	10	200
Sand, brown, medium to coarse; and gravel	20	220
Sand; gravel; and heavy boulders	1	221

NANTUCKET COUNTY

	Thickness	Depth
NANTUCKET 1. Alt. 10 ft.		
Sand, coarse, to fine gravel	8.3	8.3
Sand, coarse to very coarse	10.5	18.8
Sand, medium to coarse	3.8	22.6
Sand, coarse to very coarse	7.5	30.1
Sand, coarse to very coarse; few pebbles	12	42.1
Gravel, fine to medium; some coarse sand	6.4	48.5
Gravel, yellow and reddish-brown, fine, and very coarse sand; some finer sand	16.5	65
Sand, medium to coarse	5.3	70.3
Gravel, fine to medium; and medium to coarse sand	5.3	75.6
Gravel, fine to medium; and coarse and very coarse, iron-stained sand	10.5	86.1
Sand, medium; contains a few dark grains	2.3	88.4
NANTUCKET 1.--Continued		
Sand, medium to very coarse; some grains iron stained	5.3	93.7
Shells, broken; and fine gravel to coarse sand	15	108.7
Gravel, fine; coarse and very coarse sand; and broken shells	6.8	115.5
Sand, medium to very coarse	6	121.5
Shells, and fine gravel	4.5	126
Gravel, fine	3	129
Silt, gray, and clay	2.6	131.6
Sand, brown, coarse to very coarse, dirty	8.8	140.4
Sand, gray, very coarse	4.5	144.9
Shells; and fine gravel	3	147.9
Gravel, medium to coarse	16.5	164.4
Shell fragments, and medium sand to fine gravel	8.3	172.7
Silt and clay; some sand	4.5	177.2
Sand, rusty, coarse and very coarse; and gravel, fine	3.8	181
NANTUCKET 1.--Continued		
Sand and fine gravel, cemented with iron oxide	4.5	185.5
Silt, brownish-gray; and clay.	8.3	193.8
Sand, fine to medium; about 30% dark grains	18.8	212.6
Silt, brownish-gray; and clay.	14.3	226.9
Gravel, brown, fine; sand; and silt	5.3	232.2
Sand, gray, black speckled, medium; about 10% dark grains and 3% red-orange grains, the rest is clear quartz	5.3	237.5
Silt, reddish-brown; and clay	4.5	242
Silt, gray; and clay; sand layers toward top	19.5	261.5
Sand, very fine; and silt	21	282.5
Sand, fine; with dark grains and mica flakes	12	294.5
Clay, yellowish-brown; and silt; a little sand	7.5	302

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

NANTUCKET COUNTY--Continued

	Thickness	Depth
NANTUCKET 25. Alt. 15 ft.		
Particles are mostly clear to gray quartz unless otherwise indicated.		
?.....	15	15
Sand, medium to very coarse; and fine gravel; many different accessory minerals.	1	16
Sand, fine to coarse; about 20% dark grains; a few small granitic pebbles.....	1	17
NANTUCKET 25.--Continued		
Sand, medium, well sorted, angular; some mica flakes and dark grains.....	1	18
Sand, medium to very coarse, mostly angular.....	1	19
Sand, medium to very coarse; and fine gravel; some dark grains.....	9	28
Sand, fine to very coarse.....	1	29
Sand, medium to very coarse; and fine gravel, angular; some grains of feldspar and dark minerals.....	5	34
NANTUCKET 25.--Continued		
Sand, medium to very coarse; and fine gravel.....	2	36
Sand, medium to very coarse; and fine gravel; small broken iron cemented sands included.....	1	37
Sand, medium to medium gravel.	4	41
Sand, medium, clear to yellowish quartz, and dark minerals.....	1	42
Sand, medium to very coarse; and fine and medium gravel..	3	45

PLYMOUTH COUNTY

	Thickness	Depth
BRIDGEWATER 14. Alt. 30 ft.		
Clay and gravel.....	12	12
Clay.....	18	30
Sand, coarse; and gravel.....	8	38
Gravel and clay.....	6.5	44.5
Bedrock.....		at 44.5
BRIDGEWATER 15. Alt. 70 ft.		
Sand, brown.....	16.3	16.3
Clay, sandy.....	9.4	25.7
Sand, brown, fine.....	6.3	32
Sand, brown, coarse; and gravel	4	36
Sand, medium; little gravel....	5	41
Sand, medium.....	8.3	49.3
Bedrock.....		at 49.3
BRIDGEWATER 17. Alt. 70 ft.		
Sand and clay.....	17	17
Sand, fine and coarse.....	6	23
Stone, broken; sand; and mud...	6	29
Bedrock.....		at 29
BRIDGEWATER 31. Alt. 12.9 ft.		
Silt, some fine sand; trace of peat.....	9	9
Sand, medium to fine; some silt and gravel.....	3	12
Sand, medium to fine; some coarse gravel and silt; cemented.....	3.6	15.6
BRIDGEWATER 35. Alt. 22 ft.		
Loam and sand.....	5	5
Medium clay.....	33	38
Sand, compact; gravel and clay.	1.8	39.8
Refusal.....		at 39.8
BRIDGEWATER 48. Alt. 5.9 ft.		
Sand, fine; some inorganic silt, loose.....	8	8
Silt, gray; some clay, loose...	4	12
Silt, gray; some clay, medium stiff.....	23	35
BRIDGEWATER 61. Alt. 77.2 ft.		
Fill.....	2	2
Loam, sand.....	3.5	5.5
Firm fine yellow sand.....	8	13.5
Hard coarse sand and gravel....	6.5	20
Firm coarse sand and gravel....	6	26
Hard compact sand, little fine gravel.....	2.5	28.5
Refusal.....		at 28.5
CARVER 11. Alt. 65.9 ft.		
Sand, loamy; boulders; and fill	7	7
Peat, soft.....	4.5	11.5
Sand, soft, dirty.....	2.5	14
Sand, coarse, firm; and gravel.	4	18
Sand, coarse, hard; and gravel.	19	37
Sand, coarse, hard; and coarse gravel.....	15	52
CARVER 34. Alt. 85 ft.		
Sand, orange, fine to coarse, poorly sorted.....	2	2
Sand, gray, fine to coarse, poorly sorted.....	3	5
Sand, orange to grayish-yellow, coarse, a little fine; contains cobbles below 37 ft.	52	57
CARVER 36. Alt. 143 ft.		
Sand, medium to very coarse, well sorted, and gravel, fine, scattered.....	92	92
CARVER 37. Alt. 95 ft.		
Sand, yellowish-brown, mainly fine and medium, mainly		
CARVER 37.--Continued		
angular grains, well sorted, mainly quartz; grades with depth into sand, brown, medium to coarse, angular to rounded, well sorted.....	14	14
Sand, brown, fine and medium, angular to rounded, well sorted, mainly quartz; grades with depth into sand, brown, mainly fine.....	14	28
Silt and clay, gray-green, well sorted.....	7	35
Gravel, fine to medium, angular and sand, medium to very coarse.....	9	44
Refusal--Bedrock?.....		44
CARVER 38. Alt. 75 ft.		
Sand, black, carbonaceous.....	2	2
Sand, light brown, medium to coarse, well sorted.....	8	10
Sand, coarse to very coarse, well sorted and gravel, fine to coarse.....	17	27
Sand, fine to very coarse, poorly sorted and gravel, fine to coarse; probably sandy till.....	18	45
Refusal, probably bedrock.....		at 45
DUXBURY 1. Alt. about 40 ft.		
Topsoil.....	1	1
Sand, brown; some gravel.....	26	27
Sand, brown; and gravel; traces of clay.....	7	34
Sand, brown, fine to medium...	8	42
Sand, brown, fine; traces of clay.....	15	57
Sand, gray, fine; and clay....	4.3	61.3
Sand, gray, fine; and clay (washed out).....	20.7	82
DUXBURY 2. Alt. about 25 ft.		
Topsoil.....	2	2
Sand, medium.....	22	24
Sand, fine; and clay.....	4	28
Clay.....	2	30
Sand, medium; and gravel.....	6	36
Sand, brown, fine.....	2	38
Sand, gray, fine; some clay...	2	40
DUXBURY 3. Alt. about 50 ft.		
Topsoil.....	3	3
Sand, brown, fine to medium...	50	53
Sand, brown; some gravel.....	5	58
Sand, brown, medium; some gravel and trace of clay....	10	68
Sand, gray; gravel; and clay..	9	77
Refusal.....		at 77
DUXBURY 4. Alt. about 70 ft.		
Topsoil.....	4	4
Sand, medium to coarse; and small gravel.....	31.5	35.5
Sand, gravel, and clay.....	5.3	40.8
Clay, gravelly.....	9.2	50
Sand and clay.....	12	62
Sand, medium; traces of clay..	5	67
Sand, fine to medium; and clay	24	91
Refusal.....		at 91
DUXBURY 5. Alt. about 70 ft.		
Sand and gravel.....	30	30
Sand, fine; and clay.....	35	65
Sand, fine; and clay (washed out).....	16.8	81.8
DUXBURY 6. Alt. about 40 ft.		
Topsoil.....	2	2
Sand, brown; and gravel; some clay.....	26	28
Hardpan.....	4	32
DUXBURY 7. Alt. about 50 ft.		
Topsoil.....	1.5	1.5
Hardpan.....	9.5	11
HANOVER 5. Alt. 55 ft.		
Sand, fine.....	15	15
Gravel, coarse.....	10	25
Sand.....	5	30
Gravel, hard.....	20	50
Sand.....	5	55
Hardpan.....	6	61
Bedrock.....	5	66
HANOVER 6. Alt. 55 ft.		
Fill, gravel.....	5	5
Gravel and clay; hardpan.....	10	15
Gravel, coarse.....	40	55
Clay and hardpan.....	13	68
Bedrock.....		at 68
HANOVER 7. Alt. 60 ft.		
Clay, hard; and gravel.....	10	10
Gravel, coarse.....	55	65
Hardpan.....	2	67
Bedrock.....		at 67
HINGHAM 15. Alt. 30 ft.		
Peat; fine sand; and clay; changing to clay and coarse sand.....	9.4	9.4
Bedrock.....		at 9.4
HINGHAM 16. Alt. 25 ft.		
Peat; fine, gray sand changing to fine, brown sand and clay.....	31	31
Sand, fine; brown clay; and sharp, tight gravel.....	3.1	34.1
HINGHAM 18. Alt. 25 ft.		
Peat; mixed clay and gravel; changing to clay and fine sand.....	15.9	15.9
Sand, fine; and clay (quicksand?); occasional layers of gray clay; hard packed.....	51.6	67.5
Sand and gravel; trace of clay and a few stones in gravel; tight.....	6.8	74.3
HINGHAM 22. Alt. 30 ft.		
Sand, gray, fine; some gravel and sand.....	22	22
HINGHAM 23. Alt. 25 ft.		
Sand, gray, fine; and sharp gravel; some clay.....	22	22
No recovery.....	5	27
Sand, sharp; and gravel; some clay.....	2.3	29.3
HINGHAM 24. Alt. 25 ft.		
Sand, gray, fine; little gravel and some clay.....	20.3	20.3
Sand, gray, very fine; trace of clay.....	5	25.3
Sand, gray, very fine; trace of sharp gravel and clay....	32.7	58
Sand, some sharp gravel, trace of clay.....	7.4	65.4
Bedrock.....		at 65.4

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

PLYMOUTH COUNTY--Continued

	Thickness	Depth
HINGHAM 26. Alt. 25 ft.		
Sand, fine, and gravel; trace of clay	21	21
Sand, gray, very fine; trace of clay	48.3	69.3
Bedrock		at 69.3
HINGHAM 27. Alt. 30 ft.		
Sand, fine; trace of gravel and clay; some coarse sand at 45 ft	45	45
Sand, fine; and clay	18.3	63.3
Sand, fine, a little sharp gravel	4.3	67.6
Bedrock		at 67.6
HINGHAM 28. Alt. 25 ft.		
Peat; some clay	25.3	25.3
Sand, very fine; a little clay	6.7	32
Sand, fine; and clay; some gravel	45	77
HINGHAM 29. Alt. 30 ft.		
Sand, medium to fine	53	53
Sand, coarse; some gravel at 66 ft; clay below	15.3	68.3
HINGHAM 30. Alt. 30 ft.		
Sand, fine; and clay	59.6	59.6
No recovery	10.4	70
HINGHAM 31. Alt. 25 ft.		
Sand; and broken gravel	26.2	26.2
Bedrock		at 26.2
HINGHAM 32. Alt. 30 ft.		
Sand, medium to fine; and gravel; trace of clay	21.8	21.8
Bedrock		at 21.8
HINGHAM 41. Alt. 25 ft.		
Peat	26	26
Peat; and fine sand	8	34
Sand, fine; trace of clay and some coarse, brown gravel	7.1	41.1
Sand, fine to medium, some coarse; trace of clay	5.7	46.8
Sand, fine; trace of sharp sand and clay	5.6	57.4
Sand, medium to fine; trace of coarse sand	5.6	63
Sand, fine	3.9	66.9
Bedrock		at 66.9
HINGHAM 42. Alt. 35 ft.		
Peat	15	15
Sand, gray; with gravel	6.2	21.2
Sand, medium fine; with brown gravel	10.8	32
Gravel, coarse; very little sand	21.4	53.4
Sand, medium fine; with gravel	10.6	64
Gravel, clean	31	95
Sand, gray, coarse; trace of clay	5	100
Sand, gray, very coarse	6.7	106.7
Bedrock		at 106.7
HINGHAM 43. Alt. 35 ft.		
Topsoil	1	1
Sand, medium fine; and gravel	66.3	67.3
Gravel, very coarse	4.7	72
Gravel, good	34	106
Bedrock		at 106
HINGHAM 44. Alt. 35 ft.		
Muck	2	2
Sand, dirty, fine	3	5
Sand, fine to coarse	5	10
Sand, gravel, and stone	5	15
Sand, coarse; gravel; and stone	5	20
Sand, soft, sticky; and clay	7	27
Clay, hard, sandy	5	32
Clay, fine, sandy	2	34
Clay, sandy	2	36
Sand, dirty, fine; some gravel	4	40
Sand, coarse; and fine gravel	8	48
Sand, fine to coarse; and gravel	8	56
Sand, fine; clay; gravel; and stones	6	62
Sand, fine; and clay	8	70
Sand, fine to coarse	3	73
Clay, sandy	2	75
Clay, sandy, soft	8	83
Clay, hard; gravel; and rocks	3	86
HINGHAM 62. Alt. 6.5 ft.		
Sand, gravel, clay, and stones; fill	13	13
Sand, gravel and silt; fill	3.7	16.7
Hard yellow clay, fine sand	5.8	22.5
Soft blue clay and fine sand	5	27.5
Firm fine sand, very little clay	4	31.5
Sharp fine sand, little gravel	5.5	37
Firm fine yellow sand	15	52
Hard sand and gravel, very little clay	4.5	56.5
Refusal		at 56.5
HINGHAM 71. Alt. 15.1 ft.		
River bed	1.3	1.3
Soft mud	1.5	2.8
Firm blue sand and gravel	3.5	6.3
Hard sand and gravel, very little clay	2.5	8.8
Hard sand, gravel, and clay; hardpan	4.0	12.8
Refusal		at 12.8
KINGSTON 9. Alt. 35 ft.		
Peat	5	5
Sand and hardpan	10	15
Gravel, good	10	25
Sand	10	35
LAKEVILLE 1. Alt. 90 ft.		
Sand and gravel	16	16
"Creek sand"	4	20
Gravel, good	4	24
"Creek sand"		at 24
LAKEVILLE 7. Alt. 75 ft.		
Sand; with some clay	10	10
Clay; with strata of iron	10	20
Gravel	4	24
LAKEVILLE 13. Alt. 110 ft.		
Stony gravel	15	15
Sand, growing progressively finer	65	80
Blue clay	30	110
Gravel and clay mix	8	118
Bedrock, soft granite, pink	23	141
MARION 3. Alt. 10 ft.		
Mud	2	2
Clay, fine, sandy	29	31
Sand; scattered gravel	5	36
Bedrock		at 36
MARION 5. Alt. 10 ft.		
Sand and clay	15	15
Clay	10	25
Gravel with clay	11	36
Bedrock		at 36
MARION 8. Alt. 20 ft.		
Mud	5	5
Sand	10	15
Sand and clay	16	31
Sand and gravel	10	41
Gravel; with clay, hard driving	6	47
MARION 9. Alt. 15 ft.		
Sand, fine; and silt	35	35
Sand, fine; and silt; some gravel	15.8	50.8
Bedrock		at 50.8
MARION 23. Alt. 23 ft.		
Sand, fine to medium; and pebbles, fine	4	4
Sand, fine to medium	6	10
Sand, fine to very fine	30	40
Silt	19	59
Pebbles and cobbles	5	64
Bedrock		at 64
MARION 25. Alt. 10 ft.		
Sand, fine to medium; road fill	3	3
Sand, yellow, fine to coarse; and pebbles, very fine, angular	5	8
Sand, yellowish-gray, fine to coarse; and pebbles, gray, fine, angular to subrounded	3	11
Silt, gray, fine; and sand, coarse, angular	4.5	15.5
Gravel	0.5	16
MARION 25.--Continued		
Silt, gray, fine; and sand, coarse, angular	2.5	18.5
Silt, brown; and sand, fine to coarse	0.5	19
Silt; sand, fine to coarse; and gravel, fine	2	21
Gravel, coarse, rounded to subrounded	3	24
Bedrock		at 24
MARSHFIELD 22. Alt. -5.4 ft.		
Sand, silty; gravel; and shells	3.2	3.2
Sand, gray, sharp; and gravel	13.6	16.8
Sand, hard; gravel; and boulders	12.2	29.0
MATTAPOISETT 59. Alt. 20 ft.		
Loam - topsoil	1	1
Sand, fine	2	3
Sand, hard packed; and clay	5	8
Clay; and fine sand	3	11
Sand, fine; and clay	3	14
Clay	3	17
Clay, gravel, and sand	2	19
Sand and gravel	3	22
Sand, fine; and gravel	1	23
Sand and gravel	2	25
Quicksand	6	31
Sand, fine	7	38
Gravel, coarse; and sand	1	39
Sand, coarse; and gravel	2	41
Sand, fine and medium	4	45
Sand, medium; and gravel	8	53
Sand, coarse; and gravel	4	57
Gravel and sand	2	59
Sand, coarse; and gravel	5	64
Gravel, coarse; and sand	5	69
Gravel, hard packed; and sand	1	70
MATTAPOISETT 63. Alt. 20 ft.		
Sand, gravel, and boulders	14.3	14.3
Sand, fine and coarse	5	19.3
Sand, fine and coarse; streaks of clay and silt	11.4	30.7
MATTAPOISETT 65. Alt. 15 ft.		
Topsoil; clay; and fine sand	6	6
Clay and sand	12.5	18.5
Sand and gravel	6.8	25.3
MATTAPOISETT 88. Alt. 85 ft.		
Silt to sand, coarse, poorly sorted, with gravel, fine to medium	7	7
Refusal		at 7
MATTAPOISETT 89. Alt. 30 ft.		
Sand, fine, eolian	3	3
Sand, fine to medium, well sorted	2	5
Sand, medium to very coarse, well sorted	23	28
Refusal		at 28
MIDDLEBOROUGH 8. Alt. 25 ft.		
Clay	82	82
Quicksand	2	84
Bedrock	66	150
MIDDLEBOROUGH 13. Alt. 60 ft.		
Topsoil and hardpan	11	11
Hardpan	5.4	16.4
Sand and gravel	10.9	27.3
Sand, gravel, and boulders	5.2	32.5
Gravel, blue; and clay	11	43.5
MIDDLEBOROUGH 14. Alt. 50 ft.		
Topsoil; clay	10	10
Clay	17.3	27.3
Clay; and fine sand	16.3	43.6
Sand, fine; some gravel	4.8	48.4
Gravel, blue; and sand	6	54.4
Gravel, broken	3.3	57.7
Bedrock		at 57.7
MIDDLEBOROUGH 15. Alt. 40 ft.		
Sand and clay	11	11
Clay	5.4	16.4
Sand and gravel	5.7	22.1
Gravel, broken, sharp	4.8	26.9
Sand and gravel	11.3	38.2
Gravel, broken	3.4	41.6
Bedrock		at 41.6

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

PLYMOUTH COUNTY--Continued

	Thickness	Depth
MIDDLEBOROUGH 30. Alt. 90 ft.		
Sand, coarse; and gravel	31.3	31.3
Sand, dirty; and gravel; some clay	5.4	36.7
Sand and gravel	5.5	44.2
Bedrock		at 44.2
MIDDLEBOROUGH 33. Alt. 85 ft.		
Topsoil	4.5	4.5
Sand, coarse; and gravel	10.5	15
Sand, medium; and gravel	5	20
Sand, red; and gravel	6	26
Sand, medium; and gravel	7	33
Clay, hardpan	5	38
Sand, coarse; and gravel	11	49
NORWELL 13. Alt. 80 ft.		
Topsoil	2	2
Blue clay, some stones	30	32
Sand	4	36
PLYMOUTH 5. Alt. 100 ft.		
Clay, sand, and gravel	15	15
Sand, coarse	10	25
Sand, coarse; and gravel	20	45
Sand, coarse; and clay	20	65
Bedrock		at 65
PLYMOUTH 6. Alt. 50 ft.		
Sand and gravel	10	10
Sand, fine	10	20
Sand and gravel	10	30
Gravel; and coarse sand	17	47
Bedrock		at 47
PLYMOUTH 15. Alt. 90 ft.		
Fill	3	3
Topsoil	1.5	4.5
Sand, hard packed; and boulders	15.5	20
Sand, gray, coarse	10	30
Sand, brown	4.5	34.5
Clay, hard	1	35.5
Gravel, very coarse; and stones	5	40.5
Gravel, coarse	7.5	48
Sand, gray, fine	4	52
Clay, brown, hard	4	56
Sand, brown; and clay	4	60
Clay, gray, hard	3.5	63.5
Sand, fine; and clay; rocks 4 to 8 inches	6.5	70
Sand, gray, hard packed; and clay	10	80
Sand, gray, fine	10	90
Sand, gray, coarse	2	92
Sand, brown, coarse	25	117
Sand, gray, coarse	3	120
Sand, brown, coarse	8	128
Sand, very fine	2	130
PLYMOUTH 22. Alt. 145 ft.		
Loam, black, sandy; and coarse sand	1.5	1.5
Sand, orange-brown, medium to very coarse	2.5	4
Sand, light brown, coarse to medium; some fine and coarse gravel	1.5	5.5
Sand, coarse to medium; layers of coarse gravel	2.5	8
Sand, light yellow-orange, medium to very coarse; layers of medium to coarse gravel	12	20
Sand, light yellow-orange medium to very coarse	29	49
PLYMOUTH 29. Alt. 95 ft.		
Sand, fine to coarse, predominantly medium, well sorted	20	20
Sand, medium to coarse, well sorted	72	92
PLYMOUTH 30. Alt. 105 ft.		
Sand, yellow-brown, medium to coarse; a little gravel, fine to medium	10	10
Sand, medium; a little gravel, fine, sharp	10	20
Sand, medium to coarse; a little gravel, fine, sharp	6	26
Sand, fine to coarse, sharp; and gravel, fine to medium, angular, poorly sorted	4	30
Sand, medium, some fine, some very coarse, sharp	7	37
Sand, fine and coarse, sharp; and gravel, very fine; less sand with depth	35	72
PLYMOUTH 31. Alt. 120 ft.		
Sand, medium to gravel, fine	18	18
Sand, medium to very coarse, well sorted	74	92
PLYMOUTH 32. Alt. 180 ft.		
Sand, mainly medium to coarse; and gravel, fine to coarse	10	10
Sand, medium to coarse, well sorted; and gravel, fine, disappearing with depth	82	92
PLYMOUTH 33. Alt. 105 ft.		
Sand, fine to medium; and gravel, fine, poorly sorted	10	10
Sand, mainly coarse; sand, medium; and gravel, fine to medium; poorly sorted	15	25
Cobble or boulder		25
Sand, medium to coarse; and gravel, very fine	10	35
Sand, medium to coarse; gravel, very fine; and cobbles or boulders	4	39
Sand, medium to coarse; and gravel, very fine	21	60
Sand, fine to coarse, mainly medium, poorly sorted	17	77
PLYMOUTH 34. Alt. 95 ft.		
Sand, medium; and gravel, fine to medium; poorly sorted	10	10
Sand, chiefly coarse; some gravel, fine to medium; poorly sorted	22	32
Sand, chiefly medium; with pebbles, small to medium	8	40
Sand, coarse, a little fine; some gravel, fine to medium.	37	77
PLYMOUTH 37. Alt. 90 ft.		
Fill, sand, dark brown	3	3
Sand, yellow-brown, medium to coarse, some coarse to very coarse, some fine to medium, subrounded; and gravel, fine to coarse, rounded to subrounded.	37.5	40.5
Pebbles	2.5	43
Sand, brown, medium to very coarse, subrounded to rounded; some pebbles, fine, subrounded	40	83
Sand, brown, medium to coarse; and pebbles, very coarse to fine	5	88
Sand, brown, medium to very coarse; some fine to medium gravel	20	108
Sand, brown, fine to coarse, subrounded to subangular; a few pebbles, fine, subrounded	10	118
Sand, brown, very fine	5	123
Sand, fine, alternating with thin lenses of gravel, fine sandy	10	133
PLYMOUTH 38. Alt. 98 ft.		
Sand, brown, medium to coarse.	3	3
Sand, coarse; and gravel, medium to coarse	1	4
Sand, brownish-gray, very coarse, trace of fine, sharp; and gravel, fine	4.5	8.5
Sand, light brownish-gray, very coarse, trace of fine, sharp; and gravel, fine. Gravel stringers, ½" thick at 10', 12', and 20'	11.5	20
Sand, gray, very coarse, trace of fine, sharp; and gravel, fine	5	25
Sand, gray, coarse to very coarse, trace of fine, sharp; and gravel, fine. Gravel stringers at 50' and 58'	40	65
Sand, gray, coarse to very coarse and some fine, sharp; and gravel, fine	20	85
Sand, gray, very coarse, trace of fine, sharp; and gravel, fine	8	93
Sand, gray, very fine to medium, some coarse to very coarse; and gravel, fine; some scattered coarser gravel; stringer at 133'	20	133
PLYMOUTH 39. Alt. 86 ft.		
Sand, medium to coarse; and pebbles, small to medium; poorly sorted. Cobbles or boulders at 5'	5	5
Sand, medium to coarse; and pebbles, small to medium, poorly sorted	4	9
Sand, fine to coarse; and pebbles, fine	16	25
Till, tan and gray, sandy, contains air bubbles	5	30
Sand, medium to very coarse, some fine; pebbles, fine, subangular, scattered; cobble or boulder at 40'	20	50
Sand, fine to very coarse, mostly coarse, sharp; and gravel, fine to medium, smooth, flattened, faceted, poorly sorted, scattered	13	63
Sand, fine to very fine, micaceous	9	72
PLYMPTON 11. Alt. 74.5 ft.		
Loam and fill	7.5	7.5
Fill mixed with mud	3.4	10.9
Sand, compact; gravel; and clay	6.3	17.2
Bedrock		at 17.2
ROCHESTER 15. Alt. 70 ft.		
Hardpan	6	6
Bedrock		at 6
ROCHESTER 17. Alt. 65 ft.		
Mud and peat	7	7
Sand, gray; and gravel	8.9	15.9
Hardpan	5.3	21.2
Sand and clay	5.2	26.4
Sand and clay; little gravel	22.1	48.5
Hardpan	21.1	69.6
Bedrock		at 69.6
ROCHESTER 20. Alt. 30 ft.		
Topsoil and sand; some gravel.	14	14
Sand and clay	22	36
Sand and gravel; not very clean	4.6	40.6
Sand and gravel	4.8	45.4
Refusal		at 45.8
ROCHESTER 22. Alt. 35 ft.		
Topsoil; some clay	8.6	8.6
Sand and gravel	20.9	29.5
Sand, fine; and clay	6	35.5
Sand and gravel	5.5	41
Sand and clay	2.9	43.9
Bedrock		at 43.9
ROCHESTER 24. Alt. 15 ft.		
Topsoil and gravel	15.7	15.7
Sand, fine; little gravel	4.3	20
Clay	31	51
Bedrock		at 51
ROCHESTER 27. Alt. 15 ft.		
Sand and gravel	16.8	16.8
Sand, fine; and gravel	5	21.8
Hardpan	7.5	29.3
Bedrock		at 29.3
ROCHESTER 30. Alt. 15 ft.		
Sand and gravel	14.1	14.1
Sand, medium	5.2	19.3
Sand, fine; and clay	13.3	32.6
Sand, fine, very dirty; and gravel	6.4	39
Bedrock		at 39
ROCHESTER 53. Alt. 20 ft.		
Topsoil	3	3
Drove hard	4	7
Sand, medium; and gravel	9	16
Sand, medium; and coarse gravel	12	28
Sand, gray, fine; and clay	27	55
Bedrock		at 55
ROCHESTER 72. Alt. 20 ft.		
Soil	1.3	1.3
Sand, medium	20.7	22
Gravel, coarse	10	32
Sand, red	2.5	34.5
Sand, brown, fine	3.5	38
Clay		at 38

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

PLYMOUTH COUNTY--Continued

	Thickness	Depth
ROCHESTER 73. Alt. 20 ft.		
Soil	3	3
Sand and gravel	28.5	31.5
Clay		at 31.5
ROCHESTER 78. Alt. 70 ft.		
Sample:-Recovery 7".		
Sand, light brown, fine to very coarse, predominantly medium, extremely well sorted, fairly compact. Grains show high degree of rounding		5-6.6
Sample:-Recovery 9".		
Same as above		10-11.6
Sample:-Recovery 8".		
Same as above		15-16.6
Sample:-Recovery 6".		
Sand, light brown, fine to very coarse, predominantly coarse, extremely well sorted. Grains highly rounded		20-21.6
Sample:-Recovery 14".		
Sand, light brown, occasional very fine gravel particles. Sand ranges from very fine to very coarse, predominantly very fine, extremely well sorted and grains well rounded. Occasional horizontal bands of silt about $\frac{1}{4}$" thick and spaced about 7" apart and bands of sand of predominantly coarse grain size, $\frac{1}{4}$" thick and less and several inches apart. Bands of iron staining		25-26.6
Hit a pebble, poor sample, mostly a washed sample. Washed sample shows sand, very fine to very coarse mixed with gravel, very fine to medium. No sorting. Grains well rounded. Color gray		30-31.6
Bobbed sample from same depth as above. Sand, brown, very fine to very coarse, predominantly coarse, well sorted; grains well rounded.		
Sample wet		30-31.6
Bobbed sample:		
Sand, gray, very fine to very coarse, predominantly coarse to very coarse, well sorted, sample wet. Grains well rounded and clear. Occasional very fine gravel particle		35-36.6
Sample:-Recovery 10".		
Sand,and gravel, grayish brown; sand, very fine to very coarse, predominantly very coarse, well sorted. Grains rounded to subrounded, some angular. About 25% of the sample is gravel, very fine to coarse, rounded. Sample wet		40-41.6
Sample:-Recovery 14".		
Overdriven sample.		
Upper 6"-Sand and gravel, gray. Sand is very fine to very coarse, predominantly very coarse, well sorted. Gravel, very fine to medium, grains rounded to subrounded.		
Lower 8"-Sand, light gray, very fine to coarse, predominantly fine, well sorted. This sand layer is capped with bands of silt. Several horizontal bands of medium sand $\frac{1}{2}$" thick scattered through the lower 8"		45-47
Sample:-Recovery 10".		
Upper 5"-Sand, gray, very fine to coarse, predominantly medium, well sorted.		
Lower 5"-Sand, gray, very fine to fine, predominantly fine; sharp transition between upper and lower 5".		

	Thickness	Depth
ROCHESTER 78.--Continued		
Transition marked by a band of iron staining between the two layers		50-51.6
Sample:-Recovery 12".		
Sand, gray, very fine to fine, predominantly very fine, well sorted; some silt		55-56.6
Sample:-Recovery 14".		
Top 10"-Silt and very fine sand, tan, well sorted.		
Bottom 4"-Sand, very fine to medium grained, predominantly fine grained, well sorted, light brown, grains angular to subrounded and clear		60-61.6
Sample:-Recovery 6".		
Till, silt to coarse sand, fine to coarse gravel, grayish brown, both sand and gravel very angular. Refusal at 66'. Probably till		65-66
ROCHESTER 101. Alt. 88 ft.		
Sand, eolian	3	3
Till	4	7
Refusal		at 7
ROCHESTER 102. Alt. 65 ft.		
Sand, brown, fine	2	2
Till	4	6
Refusal		at 6
ROCHESTER 103. Alt. 53 ft.		
Sand, dark brown, carbonaceous	1	1
Sand, medium to coarse, some silt	12	13
Refusal--Bedrock (?)		at 13
ROCHESTER 104. Alt. 35 ft.		
Fill	2	2
Sand, carbonaceous	1	3
Sand, medium to coarse	24	27
Refusal		at 27
ROCHESTER 105. Alt. 50 ft.		
Sand, fine to very coarse; some gravel, fine	17	17
Sand, fine to medium	23	40
Till	7	47
Refusal		at 47
ROCHESTER 106. Alt. 23 ft.		
Sand, fine, eolian	1	1
Sand, fine to medium; some silt	6	7
Silt, dark gray	23	30
Difficult to drill	5	35
Refusal		at 35
ROCHESTER 107. Alt. 85 ft.		
Fill, sand and small gravel	2	2
Sand, gray, fine to coarse; gravel, fine to coarse; poorly sorted	5	7
Sand, gray, fine to coarse; gravel, fine to coarse, finer with depth; some silt	25	32
Sand, medium to coarse; some silt; sand, fine; and pebbles, fine to medium	18	50
Silt; clay, gray, plastic; sand, fine to coarse; some pebbles, fine, angular	10	60
Silt; clay, gray, plastic; a few pebbles, fine, angular	12	72
Bedrock		at 72
ROCHESTER 108. Alt. 56 ft.		
Fill, sand and gravel, fine	4	4
Gravel, fine, rounded; and sand, medium to coarse	2	6
Sand, mainly medium to coarse, some fine, angular; and gravel, fine, angular	6	12
Sand, mainly medium to coarse, a little fine and very coarse, angular, well sorted, mainly quartz	11	23
Sand, mainly very coarse, some coarse, a little fine to medium, angular, mainly quartz	2	25

	Thickness	Depth
ROCHESTER 108.--Continued		
Sand, mainly medium and coarse, angular, quartz	4	29
Gravel, medium and coarse, angular to slightly rounded.	6	35
Refusal--Bedrock (?)		at 35
ROCHESTER 109. Alt. 82 ft.		
Sand, brown, mainly fine, angular, well sorted; some gravel, fine to medium, angular to slightly rounded.	4	4
Sand, dark brown, mainly fine and medium, angular; some gravel, fine	10	14
Sand, brown, mainly coarse and very coarse, angular, sorting fair, mainly quartz; and gravel, fine to coarse, angular to slightly rounded, scattered and interstratified with the sand	18	32
Refusal--Bedrock (?)		at 32
ROCHESTER 110. Alt. 72 ft.		
Road fill--silt, sand, and gravel	3	3
Till: Silt; sand, brown, fine, angular, mainly quartz; and gravel, rounded to angular; unsorted	7	10
Boulders	1	11
Refusal		at 11
ROCHESTER 111. Alt. 72 ft.		
Fill	3	3
Till: Silt, brown; sand, fine to medium; and gravel, fine to medium	3	6
Till: Gravel, fine to coarse; silt, brown; clay; and sand.	13	19
Till: Cobbles and gravel, coarse	5	24
Till: Silt, clayey, hard, compact; sand, very coarse, angular; and gravel	2	26
ROCHESTER 112. Alt. 65 ft.		
Soil	2	2
Sand, brown, mainly medium, angular to rounded, fairly well sorted, mainly quartz	4	6
Gravel		at 6
Sand, brown, mainly medium, angular to rounded, fairly well sorted, mainly quartz	2	8
Silt, brown, well sorted; sand, fine; silt, olive-brown; and clay; in beds ranging from 2 to 10 ft. thick	22	30
Silt, olive-brown; and clay	11	41
Sand, brown, mainly medium and coarse, mainly angular; and gravel, fine to coarse	10	51
Till: Clay, bluish-greenish-gray; silt; sand, very coarse, mainly angular; and gravel, fine to medium	6	57
Refusal--Bedrock (?)		at 57
ROCHESTER 113. Alt. 61 ft.		
Gravel, fine to coarse, an angular to slightly rounded; and sand, brown, very fine to very coarse, mainly fine and medium, angular	12	12
Gravel, beds of coarse and fine	3	15
Till: Silt, brown; clay; sand, fine; and pebbles	5	20
Sand, fine to very coarse; gravel, fine; silt, brown; and clay; angular grains, no sorting, compact	4	24
Refusal--Bedrock (?)		at 24
ROCHESTER 114. Alt. 69 ft.		
Gravel and cobbles, fine to coarse, angular to slightly rounded; sand, brown, fine to very coarse, mainly fine to medium, angular to rounded, mainly quartz	15	15
Sand, brown, mainly medium, some fine to very coarse, angular to rounded, quartz	22	37

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

PLYMOUTH COUNTY -- Continued

	Thickness	Depth
ROCHESTER 114.--Continued		
Sand, grayish-brown, fine to coarse, mainly medium, mainly angular, mainly quartz	44	81
Refusal--Bedrock		at 81
ROCHESTER 119. Alt. 41 ft.		
Sand, brown, medium; and gravel, fine	5	5
Sand, light brown, fine to medium, a little very coarse, well sorted	5	10
Sand, light brown, medium to coarse, well sorted	25	35
Till?: Sand, fine to coarse, tightly packed; and gravel, fine, difficult drilling	13	48
Refusal--Bedrock?		at 48
ROCHESTER 120. Alt. 17 ft.		
Sand, brown, fine	2	2
Sand, fine to very coarse, mainly fine, well sorted	15	17
Sand, fine to very fine, well sorted	18	35
Silt, gray, tight	9	44
Refusal--Bedrock (?)		at 44
ROCHESTER 147. Alt. about 80 ft.		
Sample:-Recovery 18".		
Top 1"-Mixture of green silt, fine sand, and pebbles at the base of which gravel is found which serves to form a contact between the above and the below described material.		
Lower 17"-Sand: light brown, medium with some fine and minor very coarse grains, well sorted, subangular to rounded, loose, clear, major mineral quartz, some feldspar. (Note: lower 1" is lighter in color and contains many pebbles.)		5-6.5
Sample:-Recovery 4".		
Heterogeneous mixture including grain sizes from silt thru and including coarse gravel		10-11.5
Sample:-Recovery 8".		
Sand: brown, coarse with some medium and some very coarse, including coarse gravel, well sorted, loose, rounded, frosted. Major mineral quartz		15-16.5
Sample:-Recovery 10".		
Sand: brown, fine with minor amount of very fine and medium grains, well sorted, loose, rounded, frosted		20-21.5
Sample:-Recovery 8".		
Sand: grayish-brown, coarse thru fine grains, moderately sorted, loose, rounded, frosted, major mineral quartz, sample contains some gravel up to coarse in size		25-26.5
Sample:-Recovery 18".		
Sand: brown, medium with some fine grains, well sorted, loose, well rounded, frosted		30-31.5
Sample:-Recovery 14".		
Sand, grayish-brown, very fine, well sorted, 7" from top of sample the grains are discolored by iron staining, loose		35-36.5
Sample		
Sand: grayish-brown, very fine, well sorted, some silt in lower 8", moderately compact		40-41.5
Sample:-Recovery 18".		
Same as above		45-46.5
Sample:-Recovery 18".		
Silt; grayish-green, contains some clay		50-51.5
Sample:-Recovery 18".		
Clayey silt; grayish-green		55-56.5
Sample:-Recovery 14".		
Clayey silt; grayish-green		60-61.5
Sample:-Recovery 18".		
Clayey silt; upper 4" brown, lower 14" gray		65-66.5

	Thickness	Depth
ROCHESTER 147.--Continued		
Sample:-Recovery 14".		
Till; gray		70-71.5
Sample:-Recovery 18".		
Till; gray		75-76.5
Sample:-Recovery 10".		
Till		80-81.25
No sample obtained using open end pipe, 300 lb hammer, 100 blows for 2 inch penetration		85-85.2
Refusal		88.66
Drilled using a diamond bit. Dedham granodiorite		88.66-92.66
ROCKLAND 21. Alt. 115 ft.		
Sand, gravel, boulders, and little clay	26	26
Sand, sharp gravel, boulders, and clay	9.6	35.6
Sharp gravel, hard yellow clay, and boulders	5.4	41
Refusal		at 41
ROCKLAND 36. Alt. 135 ft.		
Loam	1	1
Sand, fine, gray; and clay	6	7
Sand, medium to coarse; fine gravel and little clay	28	35
Sand, medium; sharp gravel and little clay	8.6	43.6
Sand, fine; yellow clay and boulders	5.4	49
Refusal		at 49
SCITUATE 9. Alt. -1.7 ft.		
Sand, silty; and shells	2.5	2.5
Sand, loose, sharp; and gravel	22.5	25
Sand, hard, sharp; gravel; and boulders	21	46
Refusal		at 46
SCITUATE 10. Alt. 10 ft.		
Muck	2	2
Clay and sand	52	54
Sand; and coarse gravel	16	70
Bedrock		at 70
SCITUATE 11. Alt. 10 ft.		
Clay and sand	42	42
Clay, solid	11	53
Sand, yellow, coarse	27	80
Sand, yellow, coarse; little clay	21	101
Sand, yellow, fine; and clay	14	115
Sand, red	4	119
Hardpan, blue		at 119
SCITUATE 12. Alt. 10 ft.		
Clay	42	42
Gravel	18	60
SCITUATE 13. Alt. 50 ft.		
Muck	4	4
Clay; and fine sand	19	23
Sand, fine; size increasing with depth	30	53
Gravel	10	63
Sand, fine, hard packed; and clay	5	68
Gravel, coarse	5	73
SCITUATE 14. Alt. 15 ft.		
Muck	2.5	2.5
Sand and clay	6	8.5
Gravel, coarse	11	19.5
Boulders and hardpan		at 19.5
SCITUATE 17. Alt. 55 ft.		
Muck	2	2
Clay	13	15
Gravel, ground; and clay	5	20
Clay	2	22
Gravel, gray; some clay	18	40
Sand and gravel; not so much clay	5	45
Sand; some clay	5	50
Sand and gravel	4	54
Clay, solid	1	55
Sand, coarse; and gravel	15	70
Sand, fine	25	95
Bedrock		at 95
SCITUATE 21. Alt. 25 ft.		
Muck	0.5	0.5
Hardpan, gray; mixed clay and stone	19.5	20
Sand; some clay	4	24
Sand	18	42

	Thickness	Depth
SCITUATE 21.--Continued		
Sand, fine; trace of clay	25	67
SCITUATE 26. Alt. 5 ft.		
Muck and clay	4	4
Clay	6	10
Sand and clay	10	20
Gravel	25	45
Sand and gravel	2	47
Gravel	6	53
Sand and gravel	2	55
Gravel, coarse	5	60
Sand, very fine	5	65
SCITUATE 27. Alt. 45 ft.		
Sand	29	29
Gravel, coarse	20	49
WAREHAM 38. Alt. 10 ft.		
Sand, coarse and fine	22.1	22.1
Sand, coarse	11.9	34
Sand, coarse and fine	11	45
Gravel, fine; some coarse and fine sand	10.8	55.8
Gravel, fine; and coarse sand	11.3	67.1
WAREHAM 62. Alt. 47 ft.		
Sand, fine to medium	3	3
Sand, medium, well sorted; and pebbles, small	9	12
Sand, medium to coarse, well sorted; a few pebbles, fine, and a little silt	18	30
Sand, orange, medium to very coarse; and gravel, fine	52	82
WAREHAM 63. Alt. 73 ft.		
Sand, fine to medium; and pebbles, small to medium	12	12
Sand, fine to medium; and a few pebbles	8	20
Sand, medium to coarse; and gravel, fine to medium	9	29
Bedrock		at 29
WAREHAM 64. Alt. 70 ft.		
Sand, fine to medium; and pebbles, fine	5	5
Sand, coarse; and gravel, small to medium	10	15
Refusal--Bedrock		at 15
WAREHAM 65. Alt. 47 ft.		
Fill	2	2
Sand, yellow, fine to medium; and some pebbles, fine	13	15
Sand, gray, fine to medium; a little silt; and pebbles, fine, well sorted	10	25
Sand, fine; and silt, yellow-gray	27	52
Bedrock		at 52
WAREHAM 66. Alt. 58 ft.		
Sand, fine to medium; and a few pebbles, small	3	3
Till, gray, sandy; and boulders at 6 and 9 ft	11	14
Refusal		at 14
WAREHAM 67. Alt. 23 ft.		
Sand, yellow, well sorted	3	3
Sand, yellowish-gray, well sorted	7	10
Sand, yellowish-gray, fine to medium; and pebbles, fine	15	25
Sand, yellowish-brown, fine, well sorted, micaceous	9	34
Sand, yellowish-brown, fine, well sorted, micaceous; pebbles or cobbles	6	40
Hard drilling		at 40
Sand, yellow-brown, fine, well sorted, micaceous, pebbles or cobbles	6	46
Clay, gray-blue, sandy, stiff; with pebbles or cobbles	3	49
Bedrock		at 49
WAREHAM 68. Alt. 22 ft.		
Sand, orange, fine to medium	3	3
Sand, fine to medium; and pebbles, fine, rounded	30	33
Sand, fine to medium, mainly fine, clean, micaceous	44	77

Table 3.--Logs of selected wells, test wells, and test holes in southeastern Massachusetts--Continued

PLYMOUTH COUNTY--Continued

	Thickness	Depth
WAREHAM 69. Alt. 27 ft.		
Sand, orange, fine to coarse, poorly sorted	2	2
Sand, yellowish-gray, fine to coarse, poorly sorted	8	10
Sand, coarse; and gravel, fine.	15	25
Sand, medium to coarse	15	40
Sand, fine to coarse, mostly fine; and scattered pebbles, 1-inch, subrounded, faceted, quartzite	37	77
WAREHAM 70. Alt. 55 ft.		
Sand, fine to medium, well sorted	8	8
Sand, fine to medium, poorly sorted	2	10
Sand, fine to medium, poorly sorted; scattered cobbles or boulders	2	12
Sand, fine to medium, poorly sorted	8	20
Sand, gray to grayish-brown, fine to coarse, mainly medium to coarse, poorly sorted; and gravel, fine	20	40
Cobble or boulder		at 40
Sand, grayish-brown, fine to coarse, mainly medium to coarse, poorly sorted; and gravel, fine	2	42
Sand, brown, fine to coarse, poorly sorted	18	60
Sand, gray, fine to coarse, poorly sorted	10	70
Bedrock		at 70
WAREHAM 73. Alt. 60 ft.		
Sand, orange, fine to medium	2	2
Sand, medium to coarse	3	5
Sand, fine to medium	25	30
Sand, medium to coarse, sharp	7	37
Sand, very coarse, trace of fine, sharp; and scattered pebbles, small to medium, subrounded	35	72
WAREHAM 74. Alt. 80 ft.		
Sand, fine to medium; with a few pebbles, fine	15	15
Sand, fine to coarse; with a few pebbles, fine	5	20
Sand, fine to medium; with a few pebbles, fine	17	37
Sand, fine to very fine	35	72
WAREHAM 75. Alt. 78 ft.		
Sand, brown, mainly medium	6	6
Sand, very coarse, mainly angular, mainly quartz; and gravel, fine	0.5	6.5
Sand, light brown, medium to coarse, angular, well sorted; and gravel, fine to medium, slightly rounded	3.5	10
Till: silt to sand, very coarse, mainly angular, poorly sorted, mainly quartz; and gravel, fine to medium, angular to rounded	4	14
Refusal--Bedrock?		at 14
WAREHAM 77. Alt. 16 ft.		
Soil	0.5	0.5
Sand, yellow, medium to coarse; and pebbles, fine	2.5	3
Sand, yellow, medium to fine, some mica flakes	5	8
Sand, yellowish-gray, fine to coarse, mainly fine	5	13
Sand, grayish-brown, mainly fine; some biotite and muscovite	5	18
Sand, grayish-brown, fine	5	23
Sand, gray, very fine	10	33
Sand, grayish-brown, medium-coarse	1	34
Gravel, grayish-lavender, coarse, sandy, some looks like weathered bedrock	3.5	37.5
Refusal--Bedrock		at 37.5
WAREHAM 79. Alt. 25 ft.		
Soil, dark	2	2
Sand, yellow, medium to coarse	1	3
Sand, yellow, medium; a little sand, coarse to gravel, very fine	5	8
Sand, light brown, coarse	5	13
Sand, light brown, coarse; and gravel, fine	5	18
Sand, light brown, coarse	3	21
Sand, brown, coarse to very coarse; and gravel, fine	2	23
Sand, brown, coarse to very coarse	5	28
Sand, brown, very coarse; some gravel, fine	5	33
Sand, brown, coarse to very coarse	5	38
Sand, brownish-gray, mainly medium, some coarse	5	43
WAREHAM 79.--Continued		
Gravel; and sand, brownish-gray, fine to medium	10	53
Sand, gray, medium to coarse; and pebbles, fine to medium.	12	65
Gravel, coarse	0.5	65.5
Till, purple-brown, clayey	1.5	67
Refusal--Bedrock		at 67
WAREHAM 80. Alt. 45 ft.		
Sand, yellowish-brown, medium-coarse	3	3
Sand, yellowish-brown, medium and coarse	5	8
Sand, yellowish-brown, medium and coarse; a little gravel, fine	5	13
Sand, yellowish-brown, medium-fine	10	23
Sand, brownish-yellow, fine	5	28
Sand, brown, fine to medium, mainly fine	5	33
Sand, brown, fine to medium	5	38
Sand, brown, fine	5	43
Sand, brown, fine to coarse	15	58
Gravel, fine; and sand, gray, medium to coarse	20	78
Till: sand, gray; clay, lavenderish-gray; and pebbles, angular to subrounded	1	79
Refusal--Bedrock		at 79
WAREHAM 81. Alt. 70 ft.		
Sand, brown, medium to coarse, well sorted	27	27
Till: sand, fine to coarse; clay; and gravel, fine; poorly sorted; fine material increases with depth	36	63
Refusal--Bedrock (?)		at 63
WAREHAM 82. Alt. 85 ft.		
Sand, black, carbonaceous	3	3
Sand, light brown, medium to coarse, well sorted	6	9
Sand, dark brown, medium to very coarse; and gravel, fine to coarse	5	14
Refusal--Bedrock (?)		at 14

Table 4.--Water levels in observation wells in southeastern Massachusetts

(Water levels in feet below land-surface datum. For description of wells, see table 2.)

BARNSTABLE COUNTY

BARNSTABLE 230

Date	Water level	Date	Water level	Date	Water level
1957		1959		1961	
Nov. 14	25.26	Aug. 31	23.23	Jan. 31	23.88
Dec. 16	23.75	1960		Feb. 28	23.40
1958		Feb. 2	23.02	Mar. 30	22.86
Jan. 6	24.7	Mar. 1	22.11	May 1	24.13
15	23.7	29	22.21	June 1	22.95
Feb. 4	22.99	May 2	21.50	Aug. 1	23.38
Mar. 1	23.25	31	22.04	Oct. 31	23.08
1959		June 30	22.50	Dec. 1	22.98
Jan. 27	23.26	July 31	23.07	1962	
Mar. 3	22.65	Sept. 1	23.70	Apr. 28	22.13
31	21.99	30	24.16	Sept. 26	23.95
Apr. 30	21.79	Oct. 31	24.60	Oct. 30	23.82
June 1	22.08	Nov. 30	24.84	Nov. 29	23.06
Aug. 1	22.34	Dec. 31	24.30	Dec. 28	23.14

BREWSTER 21

Date	Water level	Date	Water level	Date	Water level
1957		1959		1960	
Sept. 26	10.87	Feb. 16	9.30	Oct. 2	9.50
Dec. 13	10.8	Mar. 3	9.15	31	9.84
29	11.2	23	8.90	Nov. 14	9.93
1958		Apr. 1	8.84	29	10.07
Jan. 15	11.13	22	8.82	1961	
28	11.12	June 1	8.27	Jan. 2	10.08
Feb. 24	11.10	15	8.26	16	10.12
Mar. 17	10.94	July 2	8.18	May 27	9.78
Apr. 3	10.70	25	8.05	June 28	9.10
15	10.38	Aug. 14	8.13	July 28	9.70
May 5	10.05	Sept. 4	8.27	Aug. 29	9.92
28	9.73	Oct. 3	8.10	Nov. 1	9.72
June 15	9.45	14	8.67	28	9.77
July 5	9.37	Nov. 1	8.80	Dec. 28	9.80
16	9.36	15	8.94	1962	
31	9.36	Dec. 6	8.99	Jan. 27	9.32
Aug. 27	9.33	1960		Feb. 27	8.98
Sept. 22	9.32	Jan. 1	9.00	Mar. 30	8.90
Oct. 2	9.13	Feb. 15	8.87	Apr. 26	8.66
Nov. 3	9.30	28	8.76	May 26	8.81
14	9.37	Mar. 24	8.67	June 25	8.78
Dec. 3	9.40	Apr. 24	8.38	July 27	9.08
17	9.42	May 10	8.38	Aug. 25	9.39
30	9.45	June 3	8.37	Oct. 30	9.62
1959		15	8.36	Nov. 29	9.35
Jan. 15	9.52	July 1	8.50	Dec. 2	9.32
Feb. 1	9.53	Aug. 31	9.10	28	9.38

FALMOUTH 5

Date	Water level	Date	Water level	Date	Water level
1950		1952		1953	
Aug. 4	5.09	Aug. 21	4.95	Aug. 22	4.86
11	5.23	28	5.05	29	5.00
18	5.36	Sept. 4	5.18	Sept. 5	5.17
20	5.17	11	5.17	12	5.21
25	5.29	18	5.23	19	5.15
Sept. 1	5.36	Oct. 27	5.40	26	5.07
2	5.46	Nov. 28	5.43	Oct. 1	5.14
8	5.39	Dec. 27	5.20	Nov. 2	5.05
Oct. 4	5.30	1953		30	4.49
Nov. 27	5.24	Jan. 27	4.59	Dec. 31	3.56
1951		Feb. 27	3.64	1954	
Mar. 24	3.70	Mar. 30	3.41	Feb. 1	3.94
1952		Apr. 27	2.78	Mar. 1	3.98
June 9	4.07	May 27	3.16	Apr. 17	4.00
July 3	4.59	June 27	4.29	May 1	3.91
10	4.84	July 11	4.60	June 1	3.25
17	4.96	18	4.60	7	3.43
24	5.08	25	4.59	14	3.72
Aug. 1	5.20	Aug. 1	4.71	21	3.80
7	4.96	8	4.81	28	4.00
14	4.90	15	4.69	July 5	4.12

FALMOUTH 5--Continued

Date	Water level	Date	Water level	Date	Water level
1954		1956		1959	
July 12	4.27	Aug. 6	4.41	Jan. 31	4.55
19	4.53	13	4.40	Mar. 2	3.94
26	4.57	20	4.47	Apr. 1	3.47
Aug. 2	4.75	27	4.52	May 1	3.47
9	4.78	Oct. 1	4.84	June 1	3.98
16	4.72	Nov. 2	5.02	8	4.04
Sept. 6	4.94	Dec. 3	5.13	July 10	4.35
13	4.70	1957		Aug. 1	3.87
20	4.71	Jan. 4	4.91	24	4.25
27	4.82	Feb. 1	4.68	Nov. 2	4.76
Oct. 4	4.93	Mar. 2	4.40	Dec. 28	4.92
26	5.08	Apr. 1	3.94	1960	
Nov. 1	5.05	May 1	3.48	Jan. 26	4.43
15	5.08	June 1	4.02	Mar. 30	3.58
22	5.10	17	4.40	Apr. 26	3.02
Dec. 1	4.96	24	4.61	May 26	3.55
1955		July 1	4.75	June 27	4.11
Jan. 3	3.89	8	4.89	Aug. 29	4.91
Feb. 1	3.66	15	4.97	Dec. 27	4.71
Mar. 2	3.85	22	5.13	1961	
Apr. 1	3.73	29	5.09	Jan. 30	4.47
May 2	3.56	Aug. 5	4.97	Feb. 27	4.03
June 6	3.82	12	5.09	Mar. 30	3.72
20	4.14	19	5.14	Apr. 28	3.62
27	4.17	26	4.93	May 31	3.54
July 4	4.33	Sept. 3	5.10	June 30	3.97
11	4.42	Oct. 1	5.28	July 31	4.17
18	4.54	Nov. 1	5.39	Aug. 30	4.61
25	4.70	Dec. 2	5.37	Sept. 30	4.67
Aug. 1	4.74	1958		Oct. 31	3.83
8	4.89	Jan. 3	4.98	Nov. 30	3.92
15	4.39	Feb. 7	3.59	Dec. 29	3.99
29	4.35	Mar. 1	3.37	1962	
Oct. 1	4.69	Apr. 1	3.32	Jan. 30	3.28
Nov. 2	4.71	May 1	2.55	Feb. 28	3.09
Dec. 1	4.45	June 2	2.71	Mar. 30	3.62
31	4.51	July 7	3.51	Apr. 27	3.66
1956		21	3.94	May 28	3.94
Feb. 1	4.15	28	3.92	June 28	4.17
Mar. 1	3.34	Aug. 11	4.19	July 27	4.59
31	2.97	25	4.40	Aug. 28	4.97
Apr. 30	2.65	Sept. 2	4.03	Sept. 28	4.93
June 1	3.44	27	4.37	Oct. 30	4.82
30	3.98	Nov. 1	4.17	Nov. 28	4.34
July 9	4.01	Dec. 1	4.42	Dec. 28	4.27
16	4.16	1959			
30	4.27	Jan. 3	4.47		

SANDWICH 117

Date	Water level	Date	Water level	Date	Water level
1950		1950		1951	
July 24	28.30	Dec. 1	28.52	Apr. 13	27.77
28	28.35	8	28.53	20	27.82
Aug. 4	28.30	15	28.38	27	27.88
11	28.40	29	28.48	May 4	27.91
18	28.45	1951		11	27.96
25	28.48	Jan. 5	28.45	18	27.99
Sept. 1	28.52	12	28.40	25	27.96
8	28.57	19	28.33	June 1	27.98
15	28.54	26	28.35	9	28.05
22	28.57	Feb. 1	28.30	15	28.04
29	28.63	9	28.27	23	28.13
Oct. 6	28.68	18	28.09	29	28.18
13	28.66	23	28.01	July 6	28.26
20	28.69	Mar. 2	28.01	13	28.29
27	28.71	9	28.03	20	28.33
Nov. 3	28.75	16	27.97	1952	
10	28.70	24	27.88	May 2	27.73
17	28.72	31	27.83	20	27.85
24	28.70	Apr. 7	27.80	June 18	28.91

Table 4.--Water levels in observation wells in southeastern Massachusetts--Continued

BARNSTABLE COUNTY (Continued)

TRURO 1

Date	Water level	Date	Water level	Date	Water level
1950		1952		1953	
Aug. 30	11.4	Jan. 2	10.9	May 6	10.3
Sept. 6	11.6	9	11.0	13	10.3
13	11.2	16	11.1	20	10.3
20	11.2	23	11.2	June 3	10.4
27	11.2	30	11.0	10	10.5
Oct. 4	11.4	Feb. 6	11.1	17	10.8
11	11.2	13	11.1	23	11.0
18	11.2	20	10.9	July 1	11.0
25	11.0	27	10.9	8	11.1
Nov. 1	11.2	Mar. 5	10.8	9	11.0
8	11.0	12	10.8	22	11.1
15	11.1	19	10.7	29	11.2
22	10.9	26	10.6	Aug. 5	11.2
29	10.8	Apr. 2	10.7	12	11.4
Dec. 13	10.6	9	10.6	19	11.4
20	10.8	16	11.0	26	11.3
27	10.9	23	10.9	Sept. 2	11.4
1951		30	10.8	9	11.4
Jan. 3	11.0	May 7	10.7	16	11.4
10	10.7	14	10.5	23	11.3
17	10.7	22	10.7	30	11.3
24	10.8	28	10.9	Oct. 7	11.3
31	10.8	June 4	11.3	16	11.5
Feb. 14	10.9	11	11.2	21	11.5
21	10.9	18	11.0	28	11.1
28	10.7	25	11.1	Nov. 4	11.1
Mar. 7	10.6	July 2	11.3	11	11.1
14	10.6	9	11.6	18	11.1
21	10.5	16	11.5	Dec. 2	11.0
28	10.5	23	11.4	9	11.0
Apr. 4	10.5	30	11.5	16	11.0
18	10.5	Aug. 6	11.4	23	10.6
25	10.7	13	11.3	30	10.7
May 2	10.8	20	11.5	1954	
9	10.7	27	11.6	Jan. 6	10.7
17	11.1	Sept. 3	11.6	13	10.6
23	10.9	10	11.6	20	10.8
30	10.6	24	11.5	27	10.9
June 6	11.0	Oct. 1	11.4	Feb. 3	10.8
13	11.0	8	11.3	10	10.5
20	10.8	15	11.3	17	10.7
27	10.9	29	11.1	24	11.0
July 4	11.1	Nov. 5	11.1	Mar. 3	11.0
11	11.1	12	11.1	10	10.8
18	11.1	26	11.2	17	10.9
25	11.1	Dec. 3	11.2	24	10.9
Aug. 1	11.3	10	11.0	31	11.0
8	11.2	17	11.0	Apr. 7	10.9
15	11.3	24	10.9	14	11.1
22	11.1	31	10.9	21	11.0
29	11.4	1953		28	11.1
Sept. 5	11.3	Jan. 7	10.8	May 12	11.2
12	11.3	14	10.8	19	11.2
19	11.2	21	10.8	26	11.3
26	11.3	28	10.7	June 2	11.2
Oct. 3	11.3	Feb. 4	10.7	10	11.1
10	11.1	11	10.8	17	11.3
17	11.2	18	10.4	23	11.4
24	11.4	25	10.7	30	11.4
31	11.6	Mar. 4	10.6	July 7	11.5
Nov. 7	11.4	11	10.9	14	11.7
14	11.5	18	10.5	24	11.8
21	11.5	25	10.5	31	11.8
28	11.3	Apr. 1	10.4	Aug. 7	11.9
Dec. 5	11.2	8	10.4	14	11.9
12	11.2	15	10.3	21	12.0
19	11.2	22	10.3	28	11.5
26	11.3	29	10.3	Sept. 4	12.0

TRURO 1--Continued

Date	Water level	Date	Water level	Date	Water level
1954		1956		1957	
Sept. 11	12.1	May 26	10.8	Nov. 2	10.9
18	11.8	June 9	10.7	9	11.0
25	11.8	16	11.2	Dec. 28	10.9
Oct. 2	11.9	23	11.2	1958	
9	11.9	30	10.8	Jan. 25	10.5
17	11.9	July 7	11.2	Feb. 22	10.4
23	11.5	14	11.3	Mar. 29	10.3
30	11.6	21	11.0	Apr. 26	10.0
Nov. 9	11.1	28	11.0	May 31	10.2
13	11.0	Aug. 11	10.7	June 28	10.6
20	11.17	18	10.0	July 26	11.4
Dec. 11	10.80	25	11.0	Aug. 30	11.0
25	11.10	Sept. 1	11.1	Sept. 27	10.7
1955		8	10.9	Oct. 25	10.6
Jan. 1	10.0	15	11.1	Nov. 29	10.6
8	10.0	22	11.0	Dec. 31	10.6
15	10.5	29	11.1	1959	
22	10.0	Oct. 6	11.1	Jan. 31	10.7
29	10.7	13	11.1	Feb. 28	10.7
Feb. 5	10.7	20	11.1	Mar. 28	10.5
12	10.5	27	11.0	Apr. 25	10.5
19	10.7	Nov. 3	11.1	May 30	11.2
26	10.8	10	10.9	June 27	11.0
Mar. 5	10.6	Dec. 1	10.9	July 25	11.3
26	10.6	8	10.9	Aug. 29	11.4
Apr. 2	10.5	15	10.9	Sept. 26	11.3
9	10.5	22	10.8	Oct. 31	11.1
16	11.1	29	10.7	Nov. 28	11.1
23	10.6	1957		Dec. 31	10.5
30	10.4	Jan. 5	10.9	1960	
May 7	10.5	12	10.9	Jan. 30	10.4
21	10.5	19	10.9	Feb. 27	10.4
28	10.6	26	10.9	Mar. 26	10.1
June 4	10.8	Feb. 2	10.8	Apr. 30	10.3
11	10.8	9	10.9	May 30	10.6
18	10.9	23	11.0	June 27	10.9
25	10.8	Mar. 23	10.5	July 29	11.0
July 2	11.1	30	10.8	Aug. 29	11.1
9	11.1	Apr. 20	10.8	Sept. 26	10.9
16	11.1	27	11.0	Oct. 31	10.7
23	11.0	May 4	11.0	Nov. 28	10.9
30	11.1	11	11.1	1961	
Aug. 6	11.1	18	11.1	Jan. 9	10.7
13	11.2	25	11.0	30	11.2
20	10.9	June 1	11.0	Feb. 27	11.4
27	11.1	8	11.0	Mar. 27	10.5
Sept. 3	11.0	15	10.9	May 1	10.5
10	11.0	22	11.2	June 2	10.4
17	11.0	29	11.1	26	10.7
24	11.1	July 6	11.0	July 31	11.1
Oct. 1	11.1	13	11.1	Sept. 1	11.1
8	10.0	20	11.3	Oct. 1	11.1
15	10.9	27	11.3	Nov. 1	11.0
22	10.7	Aug. 3	11.1	Dec. 1	10.7
29	10.9	10	11.3	1962	
Nov. 5	10.9	17	11.3	Jan. 1	10.8
12	10.5	24	10.9	Feb. 2	10.6
17	10.5	31	10.9	26	10.5
Dec. 3	10.5	Sept. 7	11.3	Mar. 30	10.5
10	10.5	14	11.3	Apr. 25	10.9
17	10.6	21	11.5	May 26	11.3
24	10.8	28	11.5	June 28	10.9
31	10.8	Oct. 5	11.5	Sept. 26	11.0
1956		12	11.0	Oct. 30	10.9
Feb. 4	10.6	19	11.1	Nov. 29	10.7
11	10.7	26	11.0	Dec. 28	10.8
18	10.5				

Table 4.--Water levels in observation wells in southeastern Massachusetts--Continued

BARNSTABLE COUNTY (Continued)

TRURO 87

Date	Water level	Date	Water level	Date	Water level
1954		1955		1956	
Dec. 11	12.7	Oct. 15	12.5	Oct. 20	12.2
18	12.5	22	12.4	27	12.6
25	12.5	29	12.4	Nov. 3	12.6
1955		Nov. 5	12.0	10	12.6
Jan. 1	12.3	12	12.1	Dec. 1	12.6
8	12.2	17	12.0	7	12.6
15	12.1	Dec. 3	12.0	15	12.6
22	11.9	10	12.3	22	12.4
29	11.9	17	12.1	29	12.4
Feb. 5	11.9	24	12.1	1957	
12	11.9	31	12.2	Jan. 5	12.4
19	11.9	1956		12	12.4
26	12.0	Jan. 28	11.7	19	12.4
Mar. 5	12.0	Feb. 4	11.7	26	12.4
12	12.0	11	11.5	Feb. 2	12.3
19	11.9	18	11.0	9	12.5
26	12.0	Mar. 26	11.5	16	12.6
Apr. 2	11.9	31	11.3	23	12.5
9	11.9	Apr. 7	11.3	Mar. 2	12.6
16	11.9	14	11.1	9	12.6
23	11.9	21	11.1	16	12.6
30	11.9	28	11.0	23	12.3
May 7	11.8	May 5	11.2	30	12.3
14	11.9	12	11.3	Apr. 20	12.2
21	11.9	19	11.3	27	12.2
28	12.0	26	11.4	May 4	12.2
June 4	12.0	June 2	11.5	11	12.8
11	12.2	9	11.6	18	12.4
18	12.5	16	11.2	25	12.5
25	12.6	23	12.1	June 1	12.8
July 2	11.8	30	12.5	8	13.0
9	12.9	July 7	12.4	15	14.1
16	13.1	14	12.4	22	13.4
23	14.5	21	12.5	29	14.5
30	13.5	28	12.5	July 6	14.5
Aug. 6	13.7	Aug. 11	11.8	13	14.5
13	13.3	18	11.8	20	15.6
20	13.4	25	11.8	27	14.1
27	12.6	Sept. 1	12.8	Aug. 3	14.4
Sept. 3	12.5	8	11.9	10	14.5
10	12.6	15	11.8	17	14.1
17	12.5	22	12.6	24	14.5
24	12.5	29	12.5	31	14.6
Oct. 1	12.5	Oct. 6	12.5	Sept. 7	13.7
8	12.5	13	12.6	14	13.6

TRURO 87--Continued

Date	Water level	Date	Water level	Date	Water level
1957		1959		1961	
Sept. 21	12.4	Jan. 31	12.1	Jan. 9	12.4
28	13.4	Feb. 28	11.9	30	11.9
Oct. 5	13.5	Mar. 28	12.2	Feb. 27	12.2
12	13.2	Apr. 25	11.8	Mar. 27	12.5
19	13.3	May 30	13.2	May 1	11.8
26	13.2	June 27	12.2	June 2	11.7
Nov. 2	13.0	July 25	13.2	26	13.7
9	13.1	Aug. 29	12.2	July 31	14.6
Dec. 28	12.5	Sept. 26	13.1	Sept. 1	13.3
1958		Oct. 31	12.6	Oct. 1	12.4
Jan. 25	12.5	Nov. 28	12.4	Nov. 1	12.3
Feb. 22	12.0	Dec. 31	12.6	Dec. 1	12.0
Mar. 29	11.8	1960		1962	
Apr. 26	11.2	Jan. 30	12.3	Jan. 1	12.0
May 31	11.3	Feb. 27	11.8	Feb. 2	12.1
June 28	11.8	Mar. 26	11.7	26	12.2
July 26	13.6	Apr. 30	12.6	Mar. 30	12.0
Aug. 30	12.6	May 30	11.7	Apr. 25	11.7
Sept. 27	12.1	June 27	12.5	May 26	12.1
Oct. 25	11.8	July 29	14.1	June 28	13.4
Nov. 29	11.8	Aug. 29	14.7	Sept. 26	13.13
Dec. 31	12.0	Sept. 26	14.4	Oct. 30	13.09
		Oct. 31	13.6	Nov. 29	12.48
		Nov. 28	12.0	Dec. 28	11.69

TRURO 89

Date	Water level	Date	Water level	Date	Water level
1959		1960		1961	
Mar. 3	11.76	June 30	12.26	Oct. 31	12.28
31	12.21	July 31	12.29	Nov. 30	12.27
Apr. 30	13.21	Aug. 31	13.21	Dec. 31	12.26
May 28	12.24	Sept. 29	12.30	1962	
June 30	12.26	Oct. 31	12.30	Jan. 31	12.23
July 31	12.28	Nov. 30	13.22	Feb. 28	12.25
Aug. 31	12.29	Dec. 31	12.29	Mar. 31	12.23
Sept. 30	13.21	1961		Apr. 27	12.24
Oct. 31	13.20	Jan. 30	12.28	May 26	12.26
Nov. 30	12.20	Feb. 28	12.26	June 27	12.27
Dec. 30	12.28	Mar. 30	12.23	July 26	12.30
1960		Apr. 30	11.30	Aug. 27	13.22
Jan. 30	12.25	May 31	11.30	Sept. 26	12.54
Feb. 29	11.30	June 30	12.75	Oct. 30	11.90
Mar. 31	11.29	July 31	12.29	Nov. 29	11.61
Apr. 30	11.30	Aug. 3	13.21	Dec. 28	11.62
May 31	12.23	Sept. 30	13.21		

BRISTOL COUNTY

FALL RIVER 67

Date	Water level	Date	Water level	Date	Water level
1948		1948		1948	
Apr. 27	8.30	Aug. 23	9.97	Dec. 13	9.46
May 3	8.63	30	9.99	20	8.95
10	8.95	Sept. 6	9.96	27	9.46
17	8.31	13	9.97	1949	
24	7.01	20	10.09	Jan. 3	9.93
31	6.99	27	10.26	10	9.00
June 7	6.42	Oct. 4	10.52	17	8.67
14	7.69	11	10.72	25	8.94
21	7.99	18	10.96	31	8.19
28	8.68	25	10.67	Feb. 7	8.06
July 12	8.97	Nov. 1	10.19	14	8.96
19	8.25	8	10.35	21	8.61
26	9.22	15	9.96	28	8.24
Aug. 2	9.16	22	8.99	Mar. 7	8.09
9	9.45	29	9.47	14	7.98
16	9.57	Dec. 6	9.39	21	8.89

FALL RIVER 67--Continued

Date	Water level	Date	Water level	Date	Water level
1949		1949		1949	
Mar. 29	8.18	July 18	9.75	Nov. 15	11.90
Apr. 4	8.39	Aug. 1	9.69	28	11.89
11	8.92	8	8.98	Dec. 6	11.59
18	8.06	15	10.03	12	11.63
25	7.99	22	10.17	19	11.73
May 2	8.32	29	10.48	27	11.61
9	8.67	Sept. 5	10.74	1950	
16	8.00	11	11.15	Jan. 3	11.22
23	9.08	17	11.37	9	11.13
30	9.55	26	11.55	16	10.44
June 6	9.93	Oct. 3	11.57	23	10.18
13	9.40	10	11.85	30	9.89
20	9.47	17	12.14	Feb. 6	9.44
27	9.46	24	11.89	20	8.83
July 4	8.68	31	11.90	27	8.85
11	9.20	Nov. 7	11.88	Mar. 6	9.05

Table 4.--Water levels in observation wells in southeastern Massachusetts--Continued

BRISTOL COUNTY (Continued)

FALL RIVER 67--Continued

Date	Water level
1950	
Mar. 13	9.14
20	9.20
27	8.76
Apr. 3	8.57
10	8.59
17	8.68
24	8.73
May 1	8.81
8	8.39
15	9.01
22	9.11
29	9.21
June 5	9.26
12	9.29
19	9.33
26	9.44
July 3	9.59
10	9.70
17	9.82
24	9.89
31	9.48
Aug. 7	10.01
14	10.04
21	10.18
28	10.84
Sept. 5	10.57
11	10.76
18	11.81
25	11.35
Oct. 2	11.75
9	11.94
16	11.75
23	11.95
30	dry
Nov. 6	dry
13	dry
20	dry
27	11.29
Dec. 3	11.89
11	10.03
18	10.05
25	10.12
1951	
Jan. 1	9.88
8	10.84
15	8.80
22	9.80
29	9.30
Feb. 5	8.90
13	7.47
19	8.56
26	7.49
Mar. 5	7.61
12	7.98
19	7.56
26	7.18
Apr. 2	7.10
9	7.18
16	7.61
23	7.98
30	8.87
May 7	8.05
14	8.17
21	8.28
28	8.43
June 4	8.44
11	8.53
18	8.61
June 25	8.68
July 2	8.77
9	8.88
16	9.87
23	9.87
30	9.04
Aug. 6	10.07
13	10.09
20	9.89
27	10.04
Sept. 3	10.38
10	10.58
17	10.84
24	11.09
Oct. 1	11.39
8	11.74
15	11.88
22	11.92
29	11.83
Nov. 5	10.44
12	8.88
19	9.95
26	9.97
Dec. 3	9.83
10	8.79
17	9.78
24	8.86
31	8.87
1952	
Jan. 8	8.02
14	8.87
21	8.86
28	8.29
Feb. 4	8.18
11	8.19
18	8.06
25	8.89
Mar. 3	8.19
10	7.85
17	5.85
24	7.33
31	7.76
Apr. 7	7.21
14	8.57
21	8.86
30	8.85
May 5	8.88
12	8.89
19	8.58
26	8.08
June 2	9.18
9	8.18
16	8.08
23	8.38
30	8.49
July 7	8.68
14	8.67
21	8.77
28	9.89
Aug. 4	9.87
11	9.67
18	8.89
25	9.71
Sept. 1	8.43
9	8.22
15	8.06
22	8.08
29	8.09
Oct. 6	8.47
13	8.84
20	10.00
27	9.14
Nov. 3	9.35
10	9.53
17	9.79
24	9.96
Dec. 1	9.14
8	8.97
15	9.96
22	9.48
29	9.11
1953	
Jan. 5	9.04
12	7.63
19	8.01
26	8.09
Feb. 2	8.22
9	7.35
16	7.47
23	8.87
Mar. 2	7.10
9	7.38
16	6.58
23	5.70
30	5.80
Apr. 6	6.89
13	5.79
20	4.96
27	4.97
May 4	7.37
11	7.33
18	7.54
25	7.81
June 1	7.89
8	8.19
15	8.45
22	8.62
29	8.71
July 6	8.74
13	8.92
20	9.93
28	8.99
Aug. 3	8.97
10	9.01
18	8.59
24	8.79
31	8.99
Sept. 7	9.02
14	9.03
21	9.01
28	9.19
Oct. 5	9.35
12	9.62
20	9.79
26	9.95
Nov. 2	8.96
9	8.59
16	8.71
23	8.98
30	7.94
Dec. 7	7.98
14	6.86
21	6.19
28	7.41
1954	
Jan. 11	6.98
17	8.91
24	7.99
Feb. 1	7.99
8	7.82
15	7.99
22	8.03
Mar. 1	7.90
8	7.54
15	7.48
22	7.71
29	7.64
Apr. 5	7.74
12	7.99
19	7.94
26	7.96
May 3	7.82
10	6.74
17	5.94
26	6.60
31	7.31
June 7	7.71
14	8.02
21	8.24
28	8.41
July 5	8.51
12	8.66
19	8.78
26	8.81
Aug. 2	8.85
9	7.18
16	8.01
23	8.13
30	8.36
Sept. 7	8.46
13	6.94
20	7.92
27	7.96
Oct. 4	7.88
11	8.91
18	8.26
25	8.43
Nov. 1	8.50
8	8.40
15	8.38
22	8.37
28	8.22
Dec. 5	8.18
13	8.08
20	7.01
27	8.44
1955	
Jan. 3	8.49
10	8.89
17	7.47
24	8.00
31	8.12
Feb. 2	8.25
14	8.09
21	7.89
28	8.89
Mar. 7	7.58
14	7.39
21	7.59
28	7.30
Apr. 4	7.45
11	7.71
18	7.97
25	8.09
May 2	7.99
9	7.99
16	8.05
23	8.20
30	8.29
June 6	8.43
13	8.55
20	8.65
27	8.76
July 4	8.85
11	8.86
18	8.80
25	8.82
Aug. 1	8.49
8	8.99
15	8.84
22	8.29
29	8.46
Sept. 5	8.59
12	8.73
19	8.68
26	8.84
Oct. 3	8.81
10	8.76
17	7.63
24	8.02
31	8.19
Nov. 7	7.20
14	7.17
21	7.17
28	7.54
Dec. 5	7.80
12	7.81
19	8.17
26	8.35
1956	
Jan. 2	8.45
9	8.30
16	8.19
23	8.13
30	8.04
Feb. 6	7.64
13	7.24
20	6.38
27	7.30
Mar. 5	7.40
12	6.65
19	6.68
26	6.24
Apr. 2	8.44
9	8.37
16	6.15
23	7.15
30	7.61
May 7	7.50
14	7.95
21	8.22
28	8.27
June 4	8.38
11	7.54
18	8.36
25	8.68
July 2	8.72
9	8.71
16	8.95
23	8.77
30	8.92
Aug. 6	8.98
12	8.92
20	9.05
27	9.07
Sept. 4	9.33
10	9.38
17	9.45
24	9.64
31	9.78
Oct. 8	10.99
15	10.23
22	10.39
29	10.39
Nov. 5	10.43
12	10.63
19	10.54
26	9.79
Dec. 3	9.51
10	9.28
17	8.14
24	8.43
31	8.41
1957	
Jan. 7	8.27
14	8.11
21	8.19
28	8.02
Feb. 4	7.95
11	7.54
18	7.80
25	8.79
Mar. 4	8.02
11	7.81
18	7.65
25	7.24
Apr. 1	7.38
8	6.68
15	6.19
22	7.08
29	7.63
May 6	7.98
14	8.11
20	8.06
27	7.62
June 3	8.57
10	8.67
17	8.78
24	8.92
July 1	8.91
8	8.96
15	9.02
22	10.24
29	9.10
Aug. 5	9.28
12	9.09
19	9.38
26	9.58
Sept. 2	9.60
8	10.24
16	10.51
23	10.93
30	dry
Oct. 7	dry
14	dry
21	dry
28	dry
Nov. 4	dry
11	dry
18	dry

Table 4.--Water levels in observation wells in southeastern Massachusetts--Continued

BRISTOL COUNTY (Continued)

FALL RIVER 67--Continued

Date	Water level	Date	Water level	Date	Water level
1957		1958		1959	
Nov. 25	dry	July 7	8.19	Feb. 16	8.15
Dec. 2	dry	14	8.33	23	8.26
8	dry	21	8.51	Mar. 2	8.03
16	10.15	28	8.60	9	7.60
23	10.33	Aug. 4	8.58	16	6.80
30	9.05	11	8.68	23	6.54
1958		18	8.64	30	6.86
Jan. 6	8.94	26	8.66	Apr. 6	6.25
13	8.46	Sept. 1	8.09	13	6.55
20	7.98	8	8.14	19	7.15
27	7.09	15	8.26	27	7.44
Feb. 3	6.95	22	8.36	May 4	7.64
10	7.33	29	8.12	11	7.76
19	7.09	Oct. 6	8.19	18	8.01
24	7.46	13	8.30	25	8.15
Mar. 2	7.32	20	8.32	June 1	8.13
10	7.26	27	8.40	8	8.21
17	7.09	Nov. 3	8.40	15	8.17
24	5.78	10	8.44	22	8.11
31	5.44	17	8.38	29	8.09
Apr. 7	4.77	24	8.40	July 6	8.19
14	4.66	Dec. 1	8.17	13	8.18
21	5.83	8	8.22	20	7.92
28	6.96	15	8.30	27	8.10
May 5	6.50	22	8.35	Aug. 3	8.21
12	5.95	29	8.40	10	8.37
19	6.41	1959		17	8.50
26	6.56	Jan. 5	8.45	24	8.66
June 2	6.96	12	8.57	31	8.76
9	7.29	19	8.60	Sept. 7	8.81
16	7.60	26	8.64	14	8.91
23	7.85	Feb. 2	8.65	21	8.96
30	7.79	9	8.65	28	9.03

FALL RIVER 67--Continued

Date	Water level	Date	Water level	Date	Water level
1959		1960		1961	
Oct. 5	9.31	May 23	8.15	Jan. 2	7.75
12	9.42	31	8.18	9	7.78
19	9.57	June 6	8.28	16	7.80
26	9.66	13	8.35	23	7.98
Nov. 2	9.69	20	8.47	30	8.25
9	9.66	27	8.53	Feb. 6	8.30
16	9.61	July 4	8.59	13	8.45
23	9.51	11	8.68	20	7.07
30	8.95	18	8.72	27	6.50
Dec. 7	8.97	26	8.85	Mar. 6	6.65
14	8.05	Aug. 1	8.86	30	7.24
21	8.45	8	8.89	Apr. 30	6.98
28	8.49	15	9.02	May 29	6.97
1960		22	9.06	June 30	8.28
Jan. 4	8.27	29	9.20	Aug. 7	8.65
11	8.22	Sept. 6	9.39	29	9.02
18	8.15	12	9.53	Sept. 29	8.05
25	8.25	19	9.59	Oct. 30	8.38
Feb. 1	8.19	26	8.78	Nov. 30	8.38
8	8.15	Oct. 3	8.79	Dec. 29	7.80
15	7.98	10	8.84	1962	
22	6.56	17	8.95	Jan. 31	7.90
29	6.01	24	8.95	Feb. 27	7.65
Mar. 7	6.03	31	8.97	Mar. 29	7.39
14	6.45	Nov. 7	8.64	Apr. 24	7.70
21	7.09	14	8.68	May 27	7.73
28	7.01	21	8.67	June 27	8.65
Apr. 4	7.01	28	8.66	July 28	8.99
11	5.22	Dec. 5	8.73	Aug. 28	9.40
18	6.52	12	8.75	Sept. 27	9.77
25	7.40	19	8.40	Oct. 27	8.61
May 10	7.90	26	8.02	Nov. 27	8.61
16	8.05			Dec. 27	8.19

PLYMOUTH COUNTY

MARION 14

Date		Date		Date	
1959		1960		1960	
Sept. 3	4.09	June 20	3.28	Sept. 6	5.10
16	4.50	28	3.63	13	4.35
1960		July 5	3.02	Oct. 2	3.44
Jan. 5	1.67	11	3.71	28	3.09
Feb. 2	2.31	18	3.35	Nov. 30	3.05
16	1.55	25	3.95	Dec. 27	1.63
Mar. 15	2.39	Aug. 2	4.19	1961	
Apr. 13	1.33	8	4.42	Jan. 30	2.57
May 10	2.38	15	4.45	Feb. 27	.69
June 8	2.76	22	4.70	Apr. 3	1.02
15	3.12	29	4.96		

MARION 18

Date		Date		Date	
1959		1960		1960	
Sept. 4	16.14	June 8	14.83	Aug. 22	17.17
16	16.97	15	15.11	29	17.34
1960		20	15.35	Sept. 6	Damp
Jan. 5	13.71	28	15.78	13	Damp
Feb. 2	14.20	July 5	15.84	Oct. 28	16.30
16	13.38	11	16.03	Nov. 30	16.14
Mar. 1	12.55	18	16.15	Dec. 27	13.78
15	13.79	25	15.96	1961	
29	13.22	Aug. 2	16.66	Jan. 30	14.69
Apr. 13	11.20	8	16.77	Feb. 27	12.18
May 10	13.70	15	16.96	Apr. 3	12.16

MATTAPOISETT 70

(Daily maximum readings from recorder graph)

Date		Date		Date	
1959		1959		1959	
July 1	2.28	Aug. 1	2.53	Sept. 1	3.59
2	1.88	2	2.77	2	3.69
3	2.07	3	2.99	3	3.77
4	2.25	4	3.20	4	3.88
5	2.42	5	3.11	5	3.98
6	2.50	6	3.08	6	4.13
8	2.77	7	3.29	7	4.26
9	2.88	8	3.43	8	4.38
10	2.69	9	2.61	9	4.49
11	1.76	10	2.47	10	4.56
12	1.77	11	2.61	11	4.61
13	1.94	12	2.80	12	4.66
14	1.72	13	3.04	13	4.72
15	1.41	14	3.21	14	4.78
20	2.21	15	3.41	15	4.63
21	2.22	16	3.57	16	4.12
22	2.28	17	3.69	17	4.12
23	2.32	18	3.77	18	4.23
24	2.39	19	3.81	19	4.34
25	2.46	25	4.08	20	4.43
26	2.60	26	4.21	21	4.53
27	2.72	27	4.36	22	4.62
28	2.94	28	4.43	23	4.71
29	2.96	29	4.15	24	4.80
30	3.04	30	3.64	25	4.87
31	3.04	31	3.47	26	4.92

Table 4.--Water levels in observation wells in southeastern Massachusetts--Continued

PLYMOUTH COUNTY (Continued)

MATTAPOISETT 70--Continued

(Daily maximum readings from recorder graph)

Date	Water level	Date	Water level	Date	Water level
1959		1959		1960	
Sept. 27	4.98	Dec. 13	1.42	Apr. 28	2.17
28	5.02	14	1.84	29	2.24
29	5.08	15	2.00	30	2.37
30	5.10	16	2.06	May 1	1.86
Oct. 1	4.94	22	2.28	2	1.90
2	4.89	23	2.29	3	2.11
3	4.89	24	2.34	10	2.28
4	4.85	25	2.32	11	2.11
5	4.94	26	2.16	12	2.14
6	5.04	27	2.18	13	2.10
7	5.00	28	1.86	14	2.12
8	4.99	29	1.66	15	2.22
9	4.06	30	1.94	16	2.30
10	4.03	1960		17	2.43
11	4.10	Jan. 3	1.56	18	2.53
12	4.16	5	2.07	23	2.68
13	4.28	6	2.10	June 7	2.34
14	4.12	7	2.16	8	2.52
15	4.12	8	2.17	9	2.68
16	4.19	9	2.20	10	2.83
17	4.28	10	2.30	11	2.92
18	4.34	11	2.30	12	2.84
19	4.42	12	2.30	13	2.78
20	4.50	13	2.29	14	2.98
21	4.56	Feb. 2	2.20	15	3.02
22	4.59	3	2.22	16	2.98
23	4.61	4	2.26	17	3.11
24	3.31	5	2.24	18	2.90
25	2.14	6	1.64	19	3.01
26	2.28	7	1.96	20	3.22
27	2.28	8	2.06	21	3.36
28	2.31	9	2.04	22	3.54
29	2.59	10	2.08	23	3.67
30	2.79	16	2.09	24	3.37
31	2.24	17	2.11	25	3.35
Nov. 1	2.23	18	1.90	26	3.55
2	2.29	19	1.37	27	3.83
3	2.44	20	1.90	28	4.12
4	2.60	21	2.01	29	4.20
5	2.62	22	2.05	30	3.88
6	2.60	23	2.09	July 1	3.92
7	2.40	24	2.14	2	2.42
8	2.13	Mar. 1	2.10	3	2.53
9	2.19	2	2.31	4	2.42
10	2.34	3	2.30	5	2.74
11	2.46	4	2.28	6	3.04
12	2.53	5	2.32	7	3 24
13	2.61	6	2.33	8	3.42
16	2.70	7	2.31	9	3.63
17	2.32	8	2.30	10	3.81
18	2.47	9	2.30	11	3.94
19	2.58	15	2.13	12	4.09
20	2.32	16	1.99	13	4.20
21	2.40	17	1.83	14	2.54
24	1.70	18	1.84	15	2.47
25	1.41	19	1.82	16	2.76
26	1.80	29	2.06	17	3.08
27	2.00	30	2.02	18	3.26
28	1.50	31	1.90	19	3.40
29	1.67	Apr. 1	1.91	20	3.51
30	1.88	2	2.04	21	3.69
Dec. 1	2.03	3	1.90	22	3.91
2	2.12	4	1.66	23	4.18
8	2.13	5	1.36	24	4.19
9	2.16	6	1.72	25	4.34
10	2.21	13	2.20	27	4.45
11	2.26	26	2.14	28	4.25
12	1.51	27	2.14	29	4.23

MATTAPOISETT 70--Continued

(Daily maximum readings from recorder graph)

Date	Water level	Date	Water level	Date	Water level
1960		1960		1960	
July 30	4.00	Sept. 29	2.96	Nov. 22	2.39
31	3.97	30	2.43	23	2.44
Aug. 1	4.15	Oct. 1	2.48	24	2.49
2	4.33	2	2.77	25	2.49
3	4.40	3	2.88	26	2.51
4	4.38	4	3.01	27	2.51
5	4.50	5	3.08	28	2.52
6	4.55	6	2.97	29	2.12
7	4.62	7	2.98	30	2.10
8	4.37	8	3.14	Dec. 1	2.28
9	4.35	9	3.21	2	2.39
10	4.36	10	3.27	3	2.42
11	4.25	11	3.29	4	2.43
12	4.26	12	3.38	5	2.44
13	4.35	13	3.46	6	2.41
14	4.45	14	3.50	7	2.41
15	4.55	15	3.50	8	2.47
16	4.62	16	3.49	27	2.12
17	4.71	17	3.46	28	2.22
18	4.79	18	3.47	29	1.85
19	4.68	19	3.52	30	1.85
20	4.64	20	2.44	31	2.12
21	4.70	21	2.48	1961	
22	4.80	22	2.74	Jan. 1	1.77
23	4.88	23	2.87	2	2.06
24	4.94	24	2.01	3	2.14
25	5.02	25	2.05	4	2.19
26	5.12	26	2.29	5	2.30
27	5.16	27	2.42	6	2.27
28	5.22	28	2.49	7	2.24
29	5.27	29	2.57	8	2.23
30	4.85	30	2.67	9	2.27
31	4.44	31	2.69	10	2.32
Sept. 1	4.42	Nov. 1	1.96	11	2.32
2	4.46	2	1.41	12	2.35
3	4.58	3	1.95	13	2.40
4	4.67	4	2.12	14	2.27
5	4.76	5	2.24	15	1.98
6	4.86	6	2.31	16	1.76
7	4.96	7	2.38	17	2.07
8	5.06	8	2.46	18	2.13
9	5.15	9	2.49	19	2.17
10	5.25	10	2.0	Feb. 27	1.95
11	5.34	11	2.09	28	1.97
12	3.96	12	2.23	Mar. 1	1.98
13	3.72	13	2.30	2	1.83
14	3.76	14	2.35	3	1.93
15	3.94	15	2.39	4	1.99
16	4.10	16	2.37	5	1.98
17	4.21	17	2.39	6	1.89
18	4.30	18	2.47	7	1.91
19	4.15	19	2.15	8	2.00
20	1.40	20	2.26	9	1.66
21	1.84	21	2.35	10	1.93
28	2.93				

MATTAPOISETT 71

(Daily maximum readings from recorder graph)

1959		1959		1959	
June 24	8.47	July 3	8.11	July 12	7.93
25	8.44	4	8.14	13	7.81
26	8.41	5	8.10	14	7.77
27	8.40	6	8.02	15	7.77
28	8.35	7	7.97	16	7.80
29	8.32	8	7.95	17	7.95
30	8.14	9	8.17	20	7.12
July 1	8.10	10	8.23	21	7.15
2	8.10	11	8.06	22	7.22

Table 4.--Water levels in observation wells in southeastern Massachusetts--Continued

PLYMOUTH COUNTY (Continued)

MATTAPOISETT 71--Continued

(Daily maximum readings from recorder graph)

Date	Water level	Date	Water level	Date	Water level
1959		1959		1959	
July 23	7.22	Oct. 2	9.87	Dec. 15	5.94
24	7.24	3	9.89	22	6.31
25	7.26	4	9.92	23	6.31
26	7.24	5	9.94	24	6.35
27	7.32	6	9.96	25	6.33
28	7.46	7	9.98	26	6.28
29	7.53	8	9.97	27	6.26
30	7.60	9	9.95	28	5.94
31	7.65	10	9.95	29	5.76
Aug. 4	7.80	11	9.98	1960	
5	7.85	12	10.01	Jan. 3	5.51
6	7.89	13	10.03	5	5.61
7	7.95	14	10.08	6	5.59
8	8.02	15	10.10	7	5.66
9	8.09	16	10.12	8	5.74
10	8.10	17	10.15	9	5.89
11	8.12	18	10.19	11	5.91
12	8.16	19	10.23	12	6.06
13	8.22	20	10.26	Feb. 2	6.04
14	8.27	21	10.29	3	6.04
15	8.33	22	10.33	4	6.12
16	8.41	23	10.36	5	6.15
17	8.45	24	10.30	6	5.69
18	8.50	25	9.91	7	5.63
19	8.54	26	9.79	8	5.63
20	8.59	27	9.74	9	5.74
21	8.62	28	9.72	10	5.78
22	8.65	29	9.73	16	5.14
23	8.69	30	9.77	17	5.12
24	8.72	31	9.81	18	5.18
25	8.76	Nov. 1	9.93	19	4.61
26	8.79	2	9.98	20	4.61
27	8.84	3	10.02	21	4.67
28	8.88	4	10.07	22	4.72
29	8.92	5	10.10	23	4.82
30	8.89	6	10.13	24	4.96
31	8.91	7	10.19	Mar. 1	4.96
Sept. 1	8.94	8	10.25	2	4.99
2	8.97	9	10.19	3	5.03
3	9.00	10	10.14	4	5.00
4	9.01	11	10.12	5	5.23
5	9.02	12	10.09	6	5.27
6	9.05	13	10.08?	7	5.33
7	9.09	14	10.07?	8	5.32
8	9.15	15	10.06	9	5.33
9	9.18	16	10.06	15	5.69
10	9.21	17	9.96	16	5.61
11	9.22	18	9.73	17	5.46
12	9.26	19	9.59	18	5.33
13	9.31	20	9.55	19	5.11
14	9.37	21	9.41	20	4.92
15	9.40	22	9.21	21	4.92
16	9.24	23	9.11	22	4.69
17	9.28	24	8.98	23	5.11
18	9.36	25	8.34	29	5.21
19	9.45	26	7.92	30	5.00
20	9.51	27	7.78	31	4.96
21	9.56	28	7.48	Apr. 1	5.08
22	9.60	29	7.12	2	5.18
23	9.65	30	7.03	3	5.20
24	9.68	Dec. 1	6.98	4	4.90
25	9.72	8	6.87	5	3.66
26	9.74	9	6.82	6	3.65
27	9.72	10	6.89	13	4.68
28	9.81	11	6.91	14	4.74
29	9.83	12	6.58	15	4.82
30	9.85	13	6.04	16	5.01
Oct. 1	9.87	14	5.99	17	5.00

MATTAPOISETT 71--Continued

(Daily maximum readings from recorder graph)

Date	Water level	Date	Water level	Date	Water level
1960		1960		1960	
Apr. 18	5.07	July 21	8.01	Oct. 4	7.57
19	5.26	22	8.03	5	7.55
20	5.37	23	8.05	6	7.50
21	5.48	24	8.07	7	7.48
26	5.56	25	8.11	8	7.47
27	5.56	26	8.16	9	7.46
28	5.64	27	8.21	10	7.64
29	5.73	28	8.22	11	7.80
30	5.83	29	8.19	12	7.96
May 1	5.59	30	8.24	13	8.08
2	5.56	31	8.21	14	8.16
3	5.75	Aug. 1	8.25	15	8.22
4	5.92	2	8.28	16	8.28
10	6.28	3	8.28	17	8.32
11	6.22	4	8.30	18	8.36
12	6.17	5	8.29	19	8.43
13	6.25	6	8.38	20	8.42
14	6.28	7	8.41	21	8.37
15	6.34	8	8.42	22	8.40
16	6.34	9	8.44	23	8.44
17	6.45	10	8.46	24	8.26
18	6.52	11	8.50	25	8.08
23	6.88	12	8.56	26	7.90
24	6.70	13	8.60	27	7.76
June 7	6.48	14	8.63	28	7.70
8	6.54	15	8.65	29	7.66
9	6.64	16	8.65	30	7.66
10	6.71	17	8.65	31	7.65
11	6.77	18	8.65	Nov. 3	7.13
12	6.81	19	8.68	4	7.26
13	6.82	20	8.67	5	7.26
14	6.88	21	8.66	6	7.20
15	6.96	22	8.66	7	7.19
16	7.02	23	8.67	8	7.18
17	7.08	24	8.73	9	7.16
18	7.12	25	8.74	10	7.08
19	7.16	26	8.79	11	7.18
20	7.20	27	8.80	12	7.15
21	7.39	28	8.86	13	7.31
22	7.53	29	8.93	15	7.48
23	7.66	30	8.83	16	7.66
24	7.77	31	8.78	17	7.74
25	7.80	Sept. 1	8.82	18	7.82
26	7.88	2	8.88	19	7.94
27	7.99	3	8.97	20	7.99
28	8.11	4	9.01	21	8.04
29	8.19	5	9.06	22	8.10
30	8.21	6	9.12	23	8.17
July 1	8.25	7	9.15	24	8.22
2	7.90	8	9.18	25	8.21
3	7.81	9	9.23	26	8.25
4	7.77	10	9.28	27	8.28
5	7.73	11	9.33	28	8.30
6	7.77	12	8.98	29	8.33
7	7.81	13	8.80	30	8.28
8	7.87	14	8.81	Dec. 1	8.29
9	7.92	15	8.88	2	8.33
10	7.99	16	8.95	3	8.36
11	8.01	17	9.02	4	8.39
12	8.05	18	9.08	5	8.42
13	8.10	19	9.12	6	8.46
14	7.88	20	8.28	7	8.48
15	7.78	28	7.89	8	8.52
16	7.80	29	7.80	9	8.57
17	7.86	30	7.71	10	8.62
18	7.90	Oct. 1	7.66	11	8.68
19	7.93	2	7.61	12	8.71
20	7.95	3	7.56	13	8.76

Table 4.--Water levels in observation wells in southeastern Massachusetts--Continued

PLYMOUTH COUNTY (Continued)

MATTAPOISETT 71--Continued

(Daily maximum readings from recorder graph)

Date	Water level	Date	Water level	Date	Water level
1960		1961		1961	
Dec. 14	8.76	Jan. 3	7.05	Mar. 7	4.91
15	8.85	4	7.11	8	5.15
16	8.33	5	7.20	9	4.88
17	8.00	6	7.28	10	4.95
18	7.91	7	7.22	11	5.29
19	7.85	8	6.98	12	5.49
20	7.82	9	6.92	13	5.59
21	7.27	30	6.73	14	4.89
22	7.02	31	6.67	15	4.87
23	7.03	Feb. 1	6.80	16	4.95
24	7.08	2	6.84	17	5.10
25	7.14	3	6.88	18	5.37
26	7.19	4	6.92	19	5.75
27	7.22	27	4.49	20	6.00
28	7.29	28	4.54	21	5.77
29	7.31	Mar. 1	4.66	22	5.73
30	7.23	2	4.66	23	5.66
31	7.30	3	4.68	24	5.49
1961		4	4.84	25	5.52
Jan. 1	7.06	5	4.91	26	5.54
2	7.03	6	4.98		

MIDDLEBOROUGH 62

Date	Water level	Date	Water level	Date	Water level
1959		1960		1960	
July 9	8.00	Mar. 15	6.20	Aug. 18	9.34
Sept. 17	9.10	29	5.73	25	9.54
29	9.42	Apr. 26	5.66	31	9.70
Oct. 13	9.30	May 23	6.77	Sept. 28	8.44
29	8.50	June 6	7.01	Oct. 6	8.70
Nov. 5	8.58	14	7.46	12	8.95
16	8.53	20	7.72	20	9.20
24	8.61	27	8.00	28	8.65
Dec. 8	7.30	July 5	7.98	Nov. 30	8.59
1960		11	8.33	Dec. 27	7.40
Jan. 5	6.27	18	8.34	1961	
Feb. 2	6.66	20	8.48	Jan. 30	7.66
16	6.04	Aug. 3	8.94	Feb. 27	6.68
Mar. 1	5.61	11	9.18	Apr. 3	5.79

MIDDLEBOROUGH 65

Date	Water level	Date	Water level	Date	Water level
1959		1960		1960	
July 23	17.80	May 10	16.97	Aug. 31	22.27
Sept. 17	21.48	June 6	18.70	Sept. 28	21.33
29	21.94	14	19.27	Oct. 5	20.92
Nov. 24	20.73	20	19.66	12	20.82
Dec. 8	18.85	27	20.09	20	20.94
1960		July 5	20.33	28	20.77
Jan. 5	16.88	11	20.53	Nov. 30	19.71
Feb. 2	17.13	18	20.70	Dec. 27	17.97
16	16.57	20	20.74	1961	
Mar. 1	14.30	Aug. 3	21.29	Jan. 30	17.35
15	16.05	11	21.59	Feb. 27	14.40
29	15.90	18	21.79	Apr. 3	15.00
Apr. 13	13.35	26	22.07		

PLYMOUTH 22

Date	Water level	Date	Water level	Date	Water level
1956		1957		1957	
Nov. 5	24.82	Apr. 3	23.74	Oct. 28	25.96
30	25.26	29	22.62	Dec. 3	26.44
1957		May 31	22.98	30	26.64
Jan. 2	24.69	July 9	23.78	1958	
Feb. 1	24.05	Aug. 2	24.20	Feb. 3	24.94
Mar. 4	23.76	Oct. 2	25.48	24	24.05

PLYMOUTH 22--Continued

Date	Water level	Date	Water level	Date	Water level
1958		1959		1961	
Mar. 24	23.41	Nov. 28	25.07	Apr. 30	23.90
May 1	20.94	Dec. 23	24.99	May 31	23.00
26	19.82	1960		July 1	22.98
June 30	20.06	Feb. 2	24.18	Aug. 4	23.94
July 29	20.60	Mar. 1	23.88	Sept. 1	24.89
Sept. 2	21.29	29	23.34	30	24.94
Oct. 28	22.61	Apr. 26	22.28	Nov. 1	24.95
Dec. 1	22.75	June 8	22.98	30	24.93
29	23.16	28	23.38	1962	
1959		July 30	23.88	Jan. 31	23.94
Jan. 27	23.38	Aug. 31	24.96	Apr. 1	23.92
Mar. 2	23.20	Oct. 1	24.9	26	23.90
30	22.5	31	25.03	May 27	23.04
Apr. 27	22.2	Nov. 30	25.9	June 28	24.00
June 1	22.44	Dec. 31	25.98	July 29	24.95
30	22.85	1961		Aug. 27	25.00
July 27	22.99	Jan. 31	25.96	Sept. 28	25.59
Sept. 1	23.34	Mar. 1	24.98	Oct. 30	24.21
Oct. 1	24.15	31	24.92	Dec. 28	25.5
27	24.63				

PLYMOUTH 27

Date	Water level	Date	Water level	Date	Water level
1959		1960		1960	
Aug. 26	11.27	June 15	10.93	Aug. 29	11.54
Sept. 16	11.37	20	11.02	Sept. 5	11.47
Oct. 1	10.70	28	10.98	14	11.30
1960		July 5	10.99	19	11.20
Jan. 5	8.35	11	11.05	Oct. 21	11.03
Feb. 2	8.59	18	11.07	28	11.06
16	8.31	27	11.24	Nov. 30	11.29
Mar. 1	8.07	Aug. 2	11.25	1961	
Apr. 13	9.85	8	11.29	Feb. 27	9.89
May 10	10.47	15	11.38	Apr. 3	9.84
June 6	10.88	22	11.47		

PLYMOUTH 29

Date	Water level	Date	Water level	Date	Water level
1960		1960		1960	
Jan. 5	25.02	June 28	23.74	Aug. 29	24.07
Feb. 2	25.18	July 5	23.54	Sept. 5	24.14
16	25.18	11	23.60	14	24.25
Mar. 1	25.06	18	23.66	19	24.31
Apr. 13	24.55	27	23.65	Oct. 21	23.84
May 10	24.07	Aug. 2	23.80	28	24.64
June 6	23.67	8	23.85	Nov. 30	24.97
15	23.65	15	23.93	1961	
20	23.67	22	24.00	Apr. 3	25.27

ROCHESTER 78

Date	Water level	Date	Water level	Date	Water level
1958		1959		1960	
Aug. 19	12.31	Nov. 24	14.14	July 18	12.83
Dec. 4	13.05	Dec. 1	13.54	20	12.93
31	13.00	8	13.45	Aug. 2	13.27
1959		1960		3	13.30
Jan. 27	12.71	Jan. 5	12.51	11	13.52
31	12.72	Feb. 2	12.11	18	13.71
Feb. 28	12.16	16	11.77	26	13.94
Mar. 31	10.36	Mar. 1	10.98	31	14.10
Apr. 30	11.27	29	10.82	Sept. 28	13.92
May 30	11.00	Apr. 13	9.80	30	13.93
June 30	11.37	26	10.13	Oct. 5	13.98
July 31	11.57	May 10	10.62	12	14.12
Sept. 1	12.54	23	11.00	20	14.20
17	13.05	June 6	11.37	28	14.24
29	13.41	14	11.66	Nov. 30	14.02
30	13.36	20	11.88	Dec. 27	13.47
Oct. 13	13.74	27	12.15	1961	
31	13.83	July 5	12.34	Feb. 27	12.00
Nov. 5	13.96	11	12.58	Apr. 3	10.71
16	14.08				

Table 4.--Water levels in observation wells in southeastern Massachusetts--Continued

PLYMOUTH COUNTY (Continued)

ROCHESTER 80

Date	Water level	Date	Water level	Date	Water level
1959		1959		1960	
June 30	3.89	Nov. 24	9.03	July 29	10.08
July 8	5.29	Dec. 8	4.77	Aug. 3	10.60
14	4.50	1960		11	11.38
20	3.63	Jan. 5	1.97	18	11.94
24	4.23	Feb. 2	2.64	26	12.55
28	5.04	16	1.57	31	12.93
Aug. 4	5.90	Mar. 1	1.68	Sept. 6	13.4
11	6.37	15	2.89	13	dry
18	7.31	29	1.18	28	12.08
25	8.36	Apr. 13	1.81	30	11.76
Sept. 1	8.86	26	2.50	Oct. 5	11.35
8	9.58	May 10	3.64	12	11.15
15	10.28	23	4.73	20	11.34
21	10.84	June 6	6.14	28	11.12
29	11.51	14	6.37	Nov. 30	8.36
Oct. 5	11.96	20	7.01	Dec. 27	4.30
13	12.42	27	7.81	1961	
22	12.72	July 5	7.92	Jan. 30	4.09
29	12.00	11	9.54	Feb. 27	1.19
Nov. 5	10.65	18	9.04	Apr. 3	1.48
16	9.49	25	9.73		

ROCHESTER 83

Date	Water level	Date	Water level	Date	Water level
1959		1960		1960	
July 15	6.30	Mar. 29	7.31	Aug. 26	10.14
Sept. 17	9.81	Apr. 13	7.16	31	10.48
29	9.30	May 10	8.25	Sept. 28	8.82
Oct. 13	9.50	June 6	8.93	30	8.82
29	8.22	14	9.06	Oct. 5	9.10
Nov. 5	8.55	20	9.22	12	9.39
16	8.77	27	9.38	20	9.77
24	8.78	July 5	9.00	28	9.90
Dec. 8	7.68	11	9.46	Nov. 30	8.79
1960		18	9.19	Dec. 27	6.99
Jan. 5	6.91	20	9.48	1961	
Feb. 2	7.72	Aug. 3	9.70	Jan. 30	7.48
16	6.93	11	9.92	Feb. 27	6.65
Mar. 1	7.00	18	10.13	Apr. 3	7.06
15	7.67				

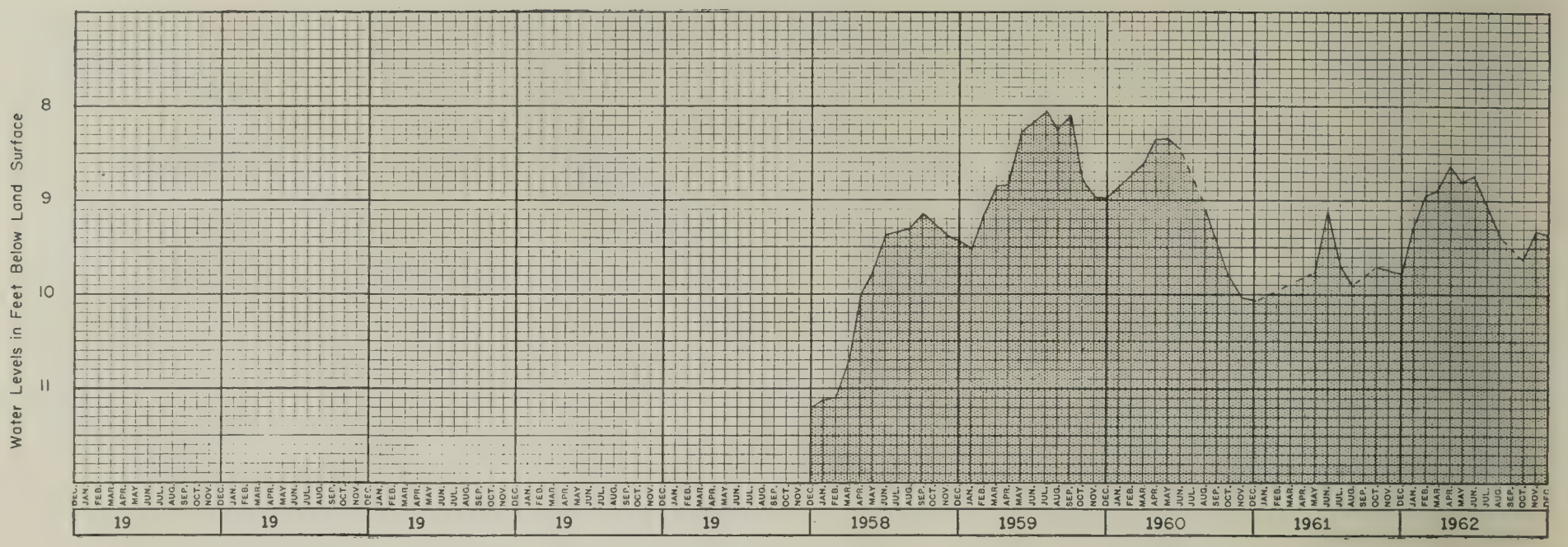
WAREHAM 51

Date	Water level	Date	Water level	Date	Water level
1959		1960		1960	
July 16	6.59	July 5	7.20	Dec. 27	7.83
Sept. 16	7.62	12	7.36	1961	
1960		18	7.45	Jan. 30	7.64
Jan. 5	7.18	27	7.66	Feb. 27	7.08
Feb. 2	7.06	Aug. 2	7.78	Apr. 3	5.95
16	6.90	8	7.90	May 2	5.65
Mar. 1	6.34	15	8.16	June 1	5.10
15	6.54	22	8.24	Aug. 30	7.87
29	6.10	29	8.41	Nov. 1	7.06
Apr. 13	5.15	Sept. 5	8.59	Dec. 8	7.17
May 10	6.00	14	8.79	30	7.45
23	6.28	19	8.87	1962	
June 6	6.55	Oct. 21	8.78	Oct. 30	8.22
15	6.76	28	8.86	Nov. 29	8.56
20	6.87	Nov. 30	8.74	Dec. 28	7.39
28	7.08				

WAREHAM 62

Date	Water level	Date	Water level	Date	Water level
1960		1960		1960	
Jan. 5	12.98	June 20	11.04	Aug. 28	11.68
Feb. 2	11.38	28	11.15	Sept. 5	11.75
16	11.27	July 5	11.19	14	11.79
Mar. 1	10.90	12	11.30	19	11.86
29	10.95	19	11.37	Oct. 21	11.73
Apr. 13	10.23	27	11.44	28	11.76
May 10	10.52	Aug. 2	11.50	Nov. 30	11.77
23	10.68	8	11.58	Dec. 27	11.32
June 8	10.84	15	11.53	1961	
15	10.95	22	11.60	Apr. 3	10.54

Brewster 21



Falmouth 5

Truro 1

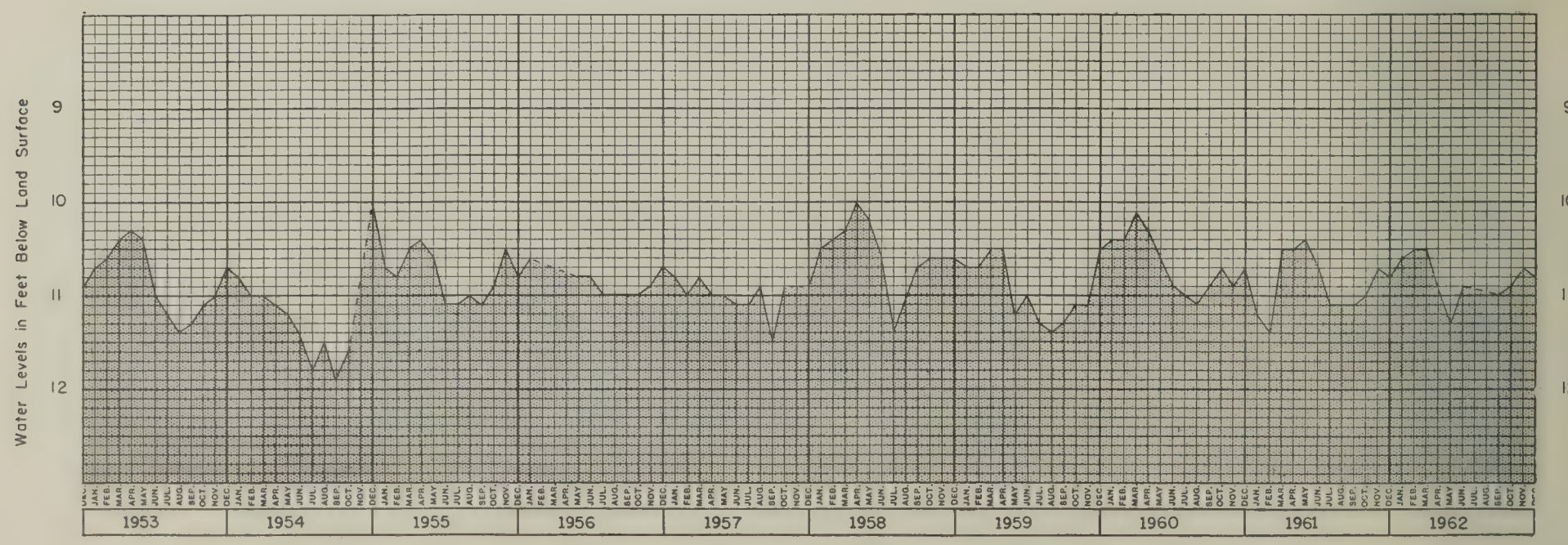


Figure 2 -- Hydrographs, showing fluctuations of water levels in three observation wells in southeastern Massachusetts

Table 5.--List of available basic-data reports, ground-water series, for Maine, Massachusetts, and New Hampshire 1/

MAINE

1. Southwestern Area, by Glenn C. Prescott, Jr. and Janet A. Drake, 1962, 35 p., 2 figs. Covers an area of about 800 square miles in York County.

MASSACHUSETTS

1. Wilmington-Reading Area, by John A. Baker and Edward A. Sammel, 1961, 50 p., 2 figs. Covers an area of about 43 square miles in the upper part of the Ipswich River basin in northeastern Massachusetts.

2. Lower Ipswich River Basin, by Edward A. Sammel and John A. Baker, 1962, 47 p., 2 figs. Covers an area of about 110 square miles in northeastern Massachusetts.

3. Lowell Area, by John A. Baker and Richard G. Petersen, 1962, 28 p., 2 figs. Covers an area of about 115 square miles and includes most of the metropolitan area of the City of Lowell.

4. Parker and Rowley River Basins, by Edward A. Sammel, 1962, 33 p., 2 figs. The rivers drain an area of about 77 square miles in northeastern Massachusetts.

5. Brockton-Pembroke Area, by Richard G. Petersen, 1962, 46 p., 2 figs. Covers an area of about 112 square miles in the northern part of Plymouth County.

6. Western Massachusetts, by Richard G. Petersen and Anthony Maevsky, 1962, 31 p., 1 fig. Covers an area of about 2,865 square miles and includes all of Berkshire, Franklin, Hampshire, and Hampden Counties.

7. Southeastern Massachusetts, by Anthony Maevsky and Janet A. Drake, 1963, 55 p., 2 figs. Covers an area of about 1,930 square miles and includes all of Barnstable, Bristol, Dukes, Nantucket, and Plymouth Counties (exclusive of the Brockton-Pembroke area).

NEW HAMPSHIRE

1. Southeastern Area, by Edward Bradley and Richard G. Petersen, 1962, 53 p., 5 figs. Covers an area of about 390 square miles in parts of Rockingham and Strafford Counties.

1/ These reports are available, free of charge, at the U. S. Geological Survey, Ground Water Branch, 211 Congress Street, Room 206, Boston 10, Massachusetts.

U.S. DEPARTMENT OF THE INTERIOR
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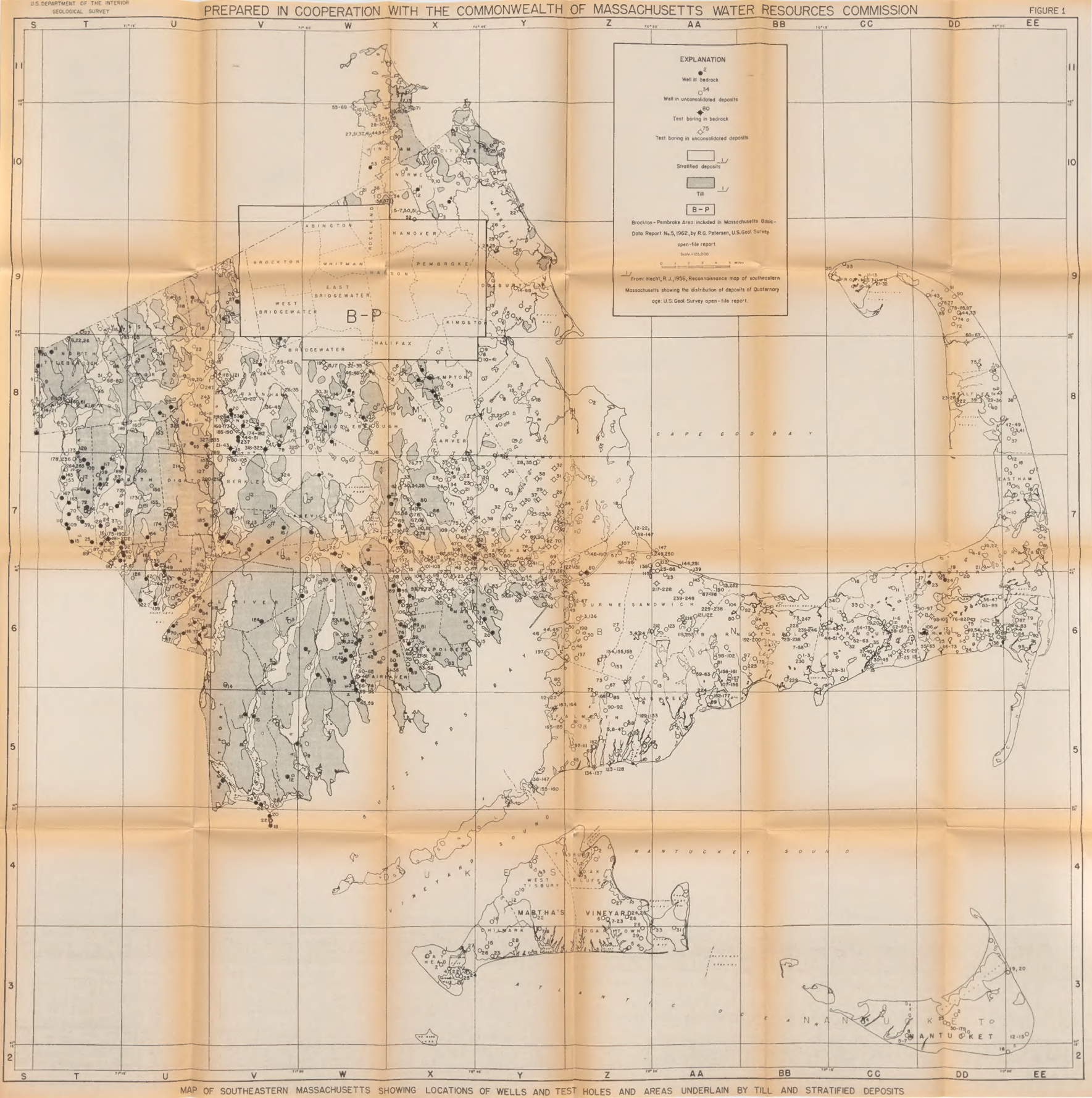
FIGURE 1


EXPLANATION
Well in bedrock
Well in unconsolidated deposits
Test boring in bedrock
Test boring in unconsolidated deposits
Stratified deposits 1/
Till 1/
B-P
Brockton-Pembroke Area: included in Massachusetts Basic-Data Report No.5, 1962, by R.G. Petersen, U.S. Geol. Survey open-file report
Scale 1:125,000
1/ From: Hecht, R.J., 1956, Reconnaissance map of southeastern Massachusetts showing the distribution of deposits of Quaternary age: U.S. Geol. Survey open-file report.
B-P
CAPE COD BAY
NANTUCKET SOUND
MARTHA'S VINEYARD
NANTUCKET

MAP OF SOUTHEASTERN MASSACHUSETTS SHOWING LOCATIONS OF WELLS AND TEST HOLES AND AREAS UNDERLAIN BY TILL AND STRATIFIED DEPOSITS

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